

Department of the Army  
Pamphlet 708-2

Cataloging of Supplies and Equipment

# **Cataloging and Supply Management Data Procedures for the Army Central Logistics Data Bank**

Headquarters  
Department of the Army  
Washington, DC  
14 September 2000

**UNCLASSIFIED**

# ***SUMMARY of CHANGE***

DA PAM 708-2

Cataloging and Supply Management Data Procedures for the Army Central Logistics  
Data Bank

This revision--

- o Reflects code definition changes throughout the publication necessitated by the Aviation and Troop Command base realignment and closure.
- o Adds a new table 3-10, reflecting flight safety critical aircraft parts coding.

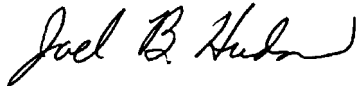
## Cataloging of Supplies and Equipment

# Cataloging and Supply Management Data Procedures for the Army Central Logistics Data Bank

### By Order of the Secretary of the Army:

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**History.** This UPDATE printing publishes a revision of DA Pam 708-2. Because the publication has been extensively revised, the changed portions have not been highlighted.

**Summary.** This pamphlet is designed to

assist Army logistics managers and functional personnel worldwide with information and guidance on cataloging supplies and equipment and related logistics data management functions.

**Applicability.** This pamphlet applies to the Active Army, the Army National Guard of the United States (ARNGUS), and the U.S. Army Reserve (USAR). During mobilization, the proponent may modify policies and procedures contained in this pamphlet.

**Proponent and exception authority.** The proponent of this pamphlet is the Deputy Chief of Staff for Logistics (DCSLOG). The proponent has the authority to approve exceptions to this pamphlet that are consistent with controlling law and regulation. Proponents may delegate this approval authority, in writing, to a division chief within the proponent

agency in the grade of colonel or the civilian equivalent.

**Suggested Improvements.** Users are encouraged to send in comments and suggested improvements to this pamphlet. Submit comments and suggested improvements on DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to U.S. Army Materiel Command, Logistics Support Activity, ATTN: AMXLS-ML, Redstone Arsenal, AL 35898-7466.

**Distribution.** This publication is available in electronic media only and is intended for command levels C for Active Army and the Army National Guard of the United States, and D for the U.S. Army Reserve.

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\*This pamphlet supersedes DA Pam 708-2, dated 30 Aug 94.

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# Chapter 1

## The Army Central Logistics Data Bank

### Section I

#### Introduction

#### 1-1. Purpose

This pamphlet provides guidance necessary for preparing, generating, collecting, and distributing logistics management data in the Army Central Logistics Data Bank (ACLDB). The ACLDB, often referred to as the Army Master Data File (AMDF) operates in an environment in which major Army logistics systems use the latest state-of-the-art equipment and system techniques. This system is the link between the wholesale and retail levels. The output of data to all levels of the Army depends on the needs of the user.

#### 1-2. Reference

Required and related publications and referenced forms are listed in appendix A.

#### 1-3. Explanation of abbreviations and terms

Abbreviations and special terms used in this pamphlet are explained in the glossary.

#### 1-4. Data source

Logistics data are provided to the ACLDB from sources listed in a through e below. The data are collected and maintained in the ACLDB to serve as the Army central point for issuing logistics data from the wholesale level to retail level.

- a. Commodity Command Standard System (CCSS).
- b. Army communications security (COMSEC).
- c. Army COMSEC Commodity, Logistical, and Accounting Information Management System (ACCLAIMS).
- d. Federal Logistics Information System (FLIS).
- e. Catalog management data file-expanded.

#### 1-5. Distribution of data

U.S. Army Materiel Command (USAMC) Logistics Support Activity (LOGSA) can provide the ACLDB and logistics management data in one of the following modes:

a. *Single source distribution.* This is a monthly ACLDB broadcast of change notice transactions distributed to authorized recipients. The change notices output by magnetic tapes are broadcast during each month and contain data for new items or changes in data elements of existing items with a subsequent first-of-the-month effective date. The non-service user application is also updated through this process.

b. *Management data distribution.* This is a uniform automated method by which Army activities, recorded at Defense Logistics Information Service (DLIS) will be sent logistics management data changes for those items. These changes are provided, by automatic digital network (DDN), continuously before the effective date.

c. *Data set.* The data set provides ACLDB customers the capability to automatically receive monthly change data records on magnetic tape. The records contain only those data elements required by the customer's automatic data processing (ADP) system and are arranged in a format that best serve systems processing. There are three identifying document identifier codes (DICs) within the data sets. An item added to the ACLDB will be identified with DIC CPA. The DIC CPC will appear when there has been a change to one or more of the data elements of the referenced national stock number (NSN). The DIC CPD indicates an NSN is being deleted from the ACLDB and no future data will be provided. The DIC CPM is a source of supply (SOS) change to the data segment.

d. *Automatic return items list (ARIL).* This list contains items in a critical worldwide stock position. Excesses and unserviceables must be returned to CONUS depots without waiting for disposition instructions.

e. *Standard Army Intermediate Level Supply Subsystem (SAILS) Catalog management data file (CMDf) maintenance system.* The SAILS CMDf maintenance process provides updated CMDf masters distributed monthly to SAILS installations and defense mega centers (DMC). Tailored SAILS CMDf change notice and interchangeable and substitutable (I&S) transactions are provided monthly with the CMDf master. Additionally, a modified CMDf is provided each installation and (DMC) where Force Modernization fielding support is required. Specific data elements selected from the item data, item identification, packaging and the I&S segments of the ACLDB are reformatted into the SAILS CMDf for distribution as a monthly replacement file to SAILS activities on magnetic tape.

f. *Special requests and file extracts.* To receive special products for logistics management interrogation by mass data retrieval, (item data segment, packaging segment, and so forth), Army activities and Government contractors will send a letter to Commander, USAMC, LOGSA, ATTN: AMXLS-ML, Redstone Arsenal, AL 35898-7466. Friendly foreign governments will send a letter to Commander, U.S. Army Security Assistance Command, ATTN: AMSAC-O, New Cumberland, PA 17070-5096, and provide the following:

- (1) Products desired.
- (2) Format requested.
- (3) Tape specification.
- (4) As of effective date.
- (5) Point of contact.
- (6) Contract number and expiration date (Government contractors).

g. *AMDF Interrogation and Retrieval System (AIRS)*. This system provides authorized users with a uniform method to retrieve item intelligence and logistics management data from the ACLDB on an “as required” pull basis.

h. *Surveillance subsystem*. This subsystem provides AMDF file originators with data element incompatibilities existing within or between all segments of the AMDF and also between interfacing files and systems, that is, CCSS, FLIS, and so forth. This subsystem also provides a means of measuring the AMDF effectiveness for each Army file originator. Subsequent changes to applicable data values enhance the AMDF integrity and understanding.

(1) *AMDF Discrepancy Reporting System*. This system processes suspect AMDF data element values, as reported by AMDF data users on an NSN-by-NSN basis, and distributes these challenges to the applicable AMDF file originator for action. The alleged discrepancy is posted to an automated suspense file, and a periodic status is provided to the user on AMDF file originator action until the problem is resolved.

(2) *AMDF Tailored Distribution System (ATDS)*. This system is similar to single source distribution. Under this system, the recipient receives monthly stock number changes for only those stock numbers in which the recipient is interested.

## 1-6. Special information

Department of the Army activities may use DA Form 4511-R (Request for Logistics Catalog Data and/or Information) to communicate with LOGSA. For use of this form, refer to AR 708-1.

## Section II

### Army Master Data File

## 1-7. Overview

a. The AMDF is a multi-segment file including both current and historical management data for Army used or managed items. It provides for generating, collecting, and issuing logistics management data to activities at all levels performing logistics functions essential to the acquisition, storage, control, reporting, maintenance, distribution and disposal of material. LOGSA distributes AMDF data by magnetic tape, electronic message, compact disk, an interrogation and retrieval system.

b. The types of AMDF segments are as follows:

(1) *Item data segment*. This segment includes an item data record and when appropriate, a unit measurement quantity or unit of issue conversion record containing current supply management data about cataloged NSNs, and medical management control numbers (MCNs) authorized for Army use.

(2) *Item identification segment*. This segment provides nomenclature (abbreviated or extended) for the NSN or medical MCN in each item data record, and identifies adopted items of materiel and Army reportable items assigned a line item number (LIN).

(3) *Packaging file*. This file provides either the details of cleaning, preserving, and packaging an item or will refer to the packaging data sheet, specification, or instructions that contain such data. Also, this segment contains unit pack weight, unit pack cube, unit pack size data, and a hazard code to identify an item as hazardous.

(4) *Freight segment*. This segment provides freight classification data and Military Standard Transportation and Movement Procedures (MILSTAMP) data for descriptive or reference type NSNs for routing materiel shipments within continental United States (CONUS) and outside continental United States (OCONUS).

(5) *An I&S segment*. This segment provides item relationships and I&S data.

(6) *History segment*. This segment provides a means for determining if NSNs or MCNs were formerly assigned to a current item of supply or the identifying numbers that apply to former item of supply.

(7) *Equivalent item segment*. This segment provides data to enable recipients to satisfy requirements with items that have identical physical and performance characteristics, but differ in unit quantity or unit of issue.

(8) *Special Army data segment*. This segment provides logistics management data for cataloged NSNs.

(9) *Medical user data segment*. This segment provides logistics management data for supply category of materiel 8 (medical) items.

## 1-8. AMDF data elements

a. *Army peculiar data elements*. The Army Primary Inventory Control Activity (PICA)/Secondary Inventory Control Activity (SICA) provides the data elements to the FLIS for each Army used or managed NSN. LOGSA files, retains in the AMDF and distributes the following data elements:

- (1) Accounting requirements code (ARC).
  - (2) Materiel category (MATCAT) structure code.
  - (3) Recoverability code (RC).
- b. Catalog management data (CMD) common data elements.* The Army PICA submits to the FLIS the following data elements for each Army managed NSN:
- (1) Acquisition advice code (AAC).
  - (2) ADP equipment identification.
  - (3) Controlled inventory item code (CIIC).
  - (4) Electrostatic discharge indicator.
  - (5) Jump to code (JTC).
  - (6) Losing or gaining routing identifier code (RIC).
  - (7) Measurement quantity related NSN.
  - (8) NSN.
  - (9) Old unit of issue (UI).
  - (10) Order of use (OOU).
  - (11) Phrase code (PC).
  - (12) Precious metals indicator code.
  - (13) Preferred NSN.
  - (14) Quantitative expression.
  - (15) Quantity unit pack.
  - (16) Related NSN.
  - (17) Shelf life code.
  - (18) Source of supply code.
  - (19) Technical document number.
  - (20) Unit of issue.
  - (21) Unit of issue conversion factor.
  - (22) Unit price.
- c. LOGSA role.* LOGSA files, retains in the AMDF and distributes the above data elements.
- d. Army unique data elements.* The Army PICA/SICA submits item data segment, item identification segment, or medical user data segment records to LOGSA for the following data elements:
- (1) Air eligible category code (AEC).
  - (2) Automatic return item code (ARI).
  - (3) Data reference.
  - (4) Degree of protection.
  - (5) Department of Defense (DOD) USAMC requirements code.
  - (6) Document identifier code.
  - (7) Department of Defense Ammunition Code (DODAC).
  - (8) Effective date.
  - (9) Electrostatic discharge indicator.
  - (10) Essentiality code.
  - (11) Estimated storage life code.
  - (12) Fund code (FC).
  - (13) Hazardous waste code.
  - (14) Hazardous waste number.
  - (15) Identifying number code.
  - (16) Inventory category code.
  - (17) Last record code.
  - (18) Life expectancy.
  - (19) Line item number.
  - (20) Logistics control code.
  - (21) Maintenance repair code.
  - (22) Method of destruction code.
  - (23) National item identification number.
  - (24) Nomenclature (21 characters).
  - (25) Nomenclature (35 characters).
  - (26) Nomenclature (64 characters).

- (27) Nomenclature (105 characters).
- (28) Noun (9 characters).
- (29) Originator code.
- (30) Price signal code.
- (31) Record control number.
- (32) Record identity.
- (33) Related number status code.
- (34) Reportable item control code.
- (35) Requirements computation.
- (36) Routing indicator code of receiving depot.
- (37) Sequence code.
- (38) Special control item code.
- (39) Special notes code.
- (40) Special requirements code.
- (41) Storage/shipment requirement code.
- (42) Storage type code.
- (43) Subsistence usage management code.
- (44) Supplemental input indicator.
- (45) Supply category of materiel.
- (46) Trailer record sequence number.

*e. Demilitarization (DEMIL) code.* The Army PICA/SICA establishes the demilitarization code for each Army used or managed NSN as follows:

(1) For NSNs that are being added to the AMDF, the Army PICA/SICA submits the demilitarization code to LOGSA.

(2) For each existing Army managed NSN, the Army PICA submits the demilitarization code to the FLIS. LOGSA will file and retain in the AMDF and then distribute the demilitarization code.

*f. End item code (EIC).* LOGSA extracts from the LIF.

*g. Packaging data elements.* The Army PICA/SICA submits packaging data elements to LOGSA. LOGSA files and retains packaging data elements, as shown in chapter 2, section III.

*h. Freight data elements.* The Army PICA submits freight data elements to LOGSA. On receipt of a FLIS freight confirmation record, LOGSA files, retains in the AMDF, and distributes freight data elements, as shown in chapter 2, section IV. For Army used NSNs, LOGSA files, retains, and distributes freight data elements.

## Section III

### Transmitting Data To and From Logistics Support Activity (LOGSA)

#### 1–9. Transmitting data

Data may be submitted to LOGSA by DDN, e-mail, floppy disks, or mailed magnetic tapes. (The preferred method is DDN, logical record length 80 bytes), if facilities are available.

#### 1–10. Transmitting AMDF change data by DDN

Input by DDN will contain the data, as shown in table 1-1, for each AMDF change notice and reject correction or for a negative report when there are no AMDF changes.

**Table 1-1**  
**Input by DDN**

Positions	Entry
1	Blank
2-3	Appropriate segment code. Any code can be used for a negative report.
	3A Item data
	3A unit measurement quantity
	3A Unit-of-issue conversion
	3B Item identification
	3C Packaging

**Table 1-1**  
**Input by DDN—Continued**

Positions	Entry
	3E Interchangeable and substitute
	3F History
	3H Component
	3I Equivalent item
	3J Freight
4-5	Originator code
6-21	Blank
22-25	Effective date of broadcast
26-35	Record count right justified, zero filled. Use all zeros for a negative report.
36-80	Blank

### 1-11. Transmitting data by magnetic tape

*a. Type of magnetic computer tape.* Input and output to LOGSA will be 1/2-inch, 9-track or 5-inch, 18-track tape cartridge.

*b. Tape density.*

(1) *Input to LOGSA.* Input tapes must meet one of the following sets of specifications and be identified on the external label.

(a) 6250 binary bits per inch (BPI) group coded recording odd parity.

(b) 1600 BPI phase encoded odd parity on 9-track tape.

(c) 38000 BPI AXP encoded on tape cartridge.

(2) *Output from LOGSA.* Normally, output tapes will meet one of the following sets of specifications:

(a) 6250 BPI group coded recording odd parity.

(b) 1600 BPI phase encoded odd parity on 9-track tape.

(c) 38000 BPI AXP encoded on tape cartridge.

*c. Record length.* Eighty positions.

*d. Blocking factor.* Physical record size will be 4000 bytes for 9-track; 12000 for tape cartridge.

*e. External identification.* Standard gummed labels containing: reel sequence number, density of the tape, type of data on the tape, volume of records (80 positions equal one record), date the tape was created, and identity of the originator.

*f. Data sets.* Record lengths and blocking factors will be set through negotiation with LOGSA.

### 1-12. Transmitting AMDF change data by any media except DDN

When AMDF data are sent by any media except DDN, a transmittal memorandum (figure 1-1) is required for each AMDF change notice sent to LOGSA.

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(Letterhead)

(Office Symbol)

(Date)

SUBJECT: Change Notices for the Army Central Logistics Data Bank

TO:

1. Attached are tape(s) for effective date(s) (date) that have been prepared according to DA Pam 708-2.

2. The 80-position record count for each segment is as follows:

Segment or Record with Total Records

Item data (number)

Unit measurement quantity (number)

Unit of issue conversion (number)

Item identification (number)

Packaging (number)

Freight (number)

Interchangeable and substitutable (number)

History (number)

Component (number)

Equivalent item (number)

Special Army data segment (number)

Medical user data segment (number)

3. Request that tape reel(s) Nos. (date) be returned to addressee right after processing is completed.

4. For special information about this change, see enclosure(s).

Encl(s)

As

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**Figure 1-1. Sample change notice memorandum to LOGSA**

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## Chapter 2 ACLDB Segments

### Section I Item Data Segment

#### 2-1. Provisions

*a.* The item data segment provides the management data necessary to control an item from the time it enters the system until it is obsolete or is ready for disposal. This segment provides for the establishment of, and changes to, Army common, peculiar and unique data elements. It allows for communication of this data between the Army item manager, wholesale depots, and operational forces required at various levels for supply, financial and inventory management controls, asset reporting and requisition processing.

*b.* The Army PICA/SICA, LOGSA and Army using activities establish changes and communicates logistics management data for each Army used or managed NSN in the formats prescribed in this section.

#### 2-2. Special considerations

The Army PICA/SICA establishes an item data record for each Army used or managed NSN. The Army PICA/SICA establishes a unit measurement quantity record for each NSN assigned a nondefinitive unit of issue. LOGSA will broadcast but will not retain a unit of issue conversion record on file for each NSN whose unit of issue is changed.

#### 2-3. Item data, unit measurement quantity, and unit of issue conversion record procedures

*a.* The Army PICA/SICA submits to LOGSA, an item data record for each Army used or managed NSN as shown by table 2-1. An Army PICA/SICA not operating under CCSS may submit an item data change record to change an Army unique data element, as shown in table 2-2.

*b.* LOGSA will file and retain in the AMDF and then distribute unit measurement quantity data for each Army used or managed NSN assigned a nondefinitive unit of issue. Unit measurement quantity (UMQ) record procedures are shown at table 2-3.

*c.* LOGSA distributes a unit-of-issue conversion record for each Army used or managed NSN whose unit of issue changes as shown by table 2-4.

**Table 2-1**  
**Item data record**

Positions	Field legend	Remarks
1-3	Document identifier code	(See table 3-13.)
4-5	Originator code	(See table 3-3.)
6-7	Reserved	For LOGSA use only.
8-20	NSN	National stock number/NATO or medical MCN.
	8-11 FSC code 12-20 National/NATO item identification number assigned as follows: 12-13, 2-digit National Codification Bureau (NCB) code. 14-20, 7-digit serially assigned item identification control number recorded by DLSC FLIS. Medical MCN: 8-11 appropriate 4-digit FSC. 12-13-appropriate 2-digit NCB code. 14-MCN assigning activity (enter code C for USAMMA). 15-20-control number. Six-digit serial number assigned by USAMMA.	
21	Reserved	For LOGSA use only.
22	Maintenance repair (MR) code	(See table 3-23)
23-24	Unit-of-issue code	(See table 3-44.) Must have unit measurement quantity record if nondefinitive unit of issue. Medical items (originator AM) excluded from this requirement.
25-29	Materiel category code	(See tables 3-24 through 3-28.)

**Table 2-1**  
**Item data record—Continued**

Positions	Field legend	Remarks
30-32	Source of supply code	(See table 3-37.)
33	Automatic return item code	(See table 3-8.)
34	Demilitarization code	(See table 3-12.)
35	Fund code (FC)	(See table 3-15.)
36	Essentiality code (EC)	(See table 3-14.)
37	Reportable item control code	(See table 3-35.)
38	Accounting requirements code	(See table 3-1.)
39	Shelf life (SL) code	(See table 3-36.)
40	FSCAP	(See table 3-10.)
41	Special control item code	(See table 3-38.)
42	Controlled inventory item code (CIIC)	(See table 3-9.)
43	Acquisition advice code	(See table 3-2.)
44	Air eligible category (AEC) code	(See table 3-6.)
45	Inventory category code (ICC)	(See table 3-19.)
46	Logistic control code (LCC)	(See table 3-22.)
47	Phrase code	(See table 3-31.)
48-60	Related NSN/NATO stock number/ medical NSN/technical document number.	Blank, zero fill, or the appropriate entry required by the phrase code in position 47.
61-63	Routing identifier code (losing/gaining manager)	Blank or the RIC of the gaining or losing item manager for logistic reassignments as follows: a. On group 7 DIC, the gaining item manager's RIC. b. On group 8 DIC, the losing item manager's RIC.
64	Reserved	
65	Recoverability code	(See table 3-34.)
66	Special requirements code (SRC)	(See table 3-40.)
67-68	Supply category of material code (SCMC) cc 67 class of supply code cc 68 subclassification	(See table 3-42.)
69-72	Effective date cc 69 year cc 70-72 Julian Day	Last digit of year change notice is effective. 3-digit numerical calendar day.
73-80	Price field	
	73 price signal code	(See table 3-33.)
	74-80 unit price	Estimated or standard price for all items. Complete field must be filled; right justified; prefix zeros to fill field. DLA, General Services Administration (GSA) and other military services local purchase items (acquisition advice code L) and free issue items (manuals and antigens), field may be zero filled.

**Table 2-2**  
**Item data element change record instructions**

Positions	Field legend	Remarks
1-3	Document identifier code	Document identifier code C66 constant.
4-5	Originator code	(See table 3-3.)
6-7	Reserved	For LOGSA use only.
8-20	Stock number field	National stock number/NATO, Medical MCN.
21	Reserved	For LOGSA use only.
22	Maintenance repair	(See table 3-23.) (If blank, current value perpetuated.)
23-32	Reserved	For LOGSA use only.
33	Automatic return item code	(See table 3-8.) (If blank, current value perpetuated.)
34	Reserved	For LOGSA use only.
35	Fund code	(See table 3-15.) (If blank, current value perpetuated.)
36	Essentiality code	(See table 3-14.) (If blank, current value perpetuated.)
37	Reportable item control	(See table 3-35.) (If blank, current value will be perpetuated.)
38-40	Reserved	For LOGSA use only.
41	Special control item code	(See table 3-38.) (If blank, current value will be perpetuated.)
42-43	Reserved	For LOGSA use only.
44	Air eligible category code	(See table 3-6.) (If blank, current value will be perpetuated.)
45	Inventory category code	(See table 3-19.) (If blank, current value perpetuated.)
46	Logistic control code	(See table 3-22.) (If blank, current value perpetuated.)
47-65	Reserved	For LOGSA use only.
66	Special requirements code	(See table 3-40.)
67-68	Supply category of materiel code cc 67-class of supply cc 68-subclassification	(See table 3-42.) (If blank, current value perpetuated.)
69-72	Effective Date 69 Year 70-72 Julian Day	Last digit of year change notice is effective. Three-digit numerical calendar day.
73	Price signal code	(See table 3-33.) (If blank, current value will be perpetuated.)
74-80	Reserved	For LOGSA use only.

**Table 2-3**  
**Unit measurement quantity record format**

Positions	Field legend	Remarks
1-3	Document identifier code	Positions 1 and 2 always CX. Position 3 coded B for add, K for delete, and S for replace.
4-5	Originator code	(See table 3-3.)
6-7	Reserved	For LOGSA use only.
8-20	Stock number field	Stock number reported in item data record for which the unit of issue is being changed.
21-22	Reserved	For LOGSA use only.
23-24	Unit-of-issue code	Nondefinitive unit of issue (except for subsistence FSG and medical items). (See table 3-44.)
25-29	Reserved	For LOGSA use only.
30-32	Source of supply code	Code identifies the military services item manager or the DLA/GSA requisitioning source (AR 725-50.)

**Table 2-3**  
**Unit measurement quantity record format—Continued**

Positions	Field legend	Remarks
33-35	Reserved	For LOGSA use only.
36-37	Unit-of-measure (UM) code	Definitive unit of measure for the quantitative expression in positions 41-51. (See table 3-46.)
38-40	Reserved	For LOGSA use only.
41-51	Quantitative expression cc 41 decimal locator cc 42-51 quantity	Quantity that will be supplied for the unit of issue identified in positions 23-24. (See table 3-11.) Quantity (whole number or decimal fraction) of the unit of measure that will be supplied for the unit of issue in positions 23-24.
52-68	Reserved	For LOGSA use only.
69-72	Effective Date cc 69 year cc 70-72 Julian Day	Last digit of year change notice is effective. Three-digit numerical calendar day.
73-80	Reserved	For LOGSA use only.

**Table 2-4**  
**Unit of issue conversion record format**

Positions	Field legend	Remarks
1-3	Document identifier code	DIC CU2 constant.
4-5	Originator code	(See table 3-3.)
6-7	Reserved	For LOGSA use only.
8-20	Stock number field	Stock number for which the unit of issue is being changed.
21-22	Reserved	For LOGSA use only.
23-24	Unit-of-issue code (old)	Old unit of issue that applies to the stock number in positions 8-20.
25-26	Reserved	For LOGSA use only.
27-28	Unit-of-issue code (new)	(See table 3-44.) New unit of issue that applies to the stock number in positions 8-20.
29	Reserved	For LOGSA use only.
30-32	Source of supply code	(See table 3-37.)
33-46	Reserved	For LOGSA use only.
47	Phrase code	Mandatory only when unit-of-issue change is caused by consolidation of stocks. Use phrase codes A, C, or D per table 3-31.
48-60	Related stock number	Current stock number for which stocks in positions 8-20 must be consolidated.
61-62	Reserved	For LOGSA use only.
63-67	Conversion factor	Factor by which the old quantity must be multiplied to convert to the new unit of issue.
	63 Decimal locator (DL)	(See table 3-11.)
	64-67 Multiplication factor	Number by which the quantity under the unit of issue for the stock number in positions 8-20 must be multiplied to convert to new quantity under the new unit of issue. Right justified; prefix zeros to fill field. Standard conversion factor listed in table 3-45. Nonconvertible unit of issue must be blank.
68	Reserved	For LOGSA use only.
69-72	Effective date 69 Year 70-72 Julian Day	Last digit of year change notice is effective. Three-digit numerical calendar day.
73-80	Reserved	For LOGSA use only.

## Section II

### Item Identification Segment

#### 2-4. Overview

This section supplements the stock number record in the item data record with nomenclature (abbreviated or extended) to use in preparing authorized stockage lists (ASLs), ARMY supply catalogs, supply bulletins, and adopted items list.

#### 2-5. Concept

The Army PICA/SICA submits to LOGSA, item identification records for each Army used or managed NSN. LOGSA files are retained in the AMDF and item identification records will be distributed as shown in table 2-5.

**Table 2-5**  
**Item identification record format**

Positions	Field legend	Remarks
1-3	Document identifier code	Positions 1 and 2 always CB. Position 3 coded B for add and S for replace.
4-5	Originator code	(See table 3-3.)
6-7	Reserved	For LOGSA use only.
8-20	Stock number field	Stock number in this field must match the stock number reported in the item data record.
21-22	Reserved	For LOGSA use only.
23-26	Effective date 23 Year 24-26 Julian Day	Last digit of the year the change notice is effective. Three-digit numerical calendar day.
27	Reserved	For LOGSA use only.
28-29	Trailer record sequence number	Mandatory for LIN and all subsistence and medical items; otherwise blank. First record will be coded 01, the second record 02, as required, the third record 03. Refer to remarks for positions 39-73 below.
30-32	Source of supply code	(See table 3-37.)
33-36	DODIC/subsistence usage management code (SUMC)	Blank or appropriate code per table 3-41.
37-38	Reserved	For LOGSA use only.
39-73	Nomenclature	Limited to 35 characters maximum except for LIN and subsistence and medical items. Consists of basic noun nomenclature, modifiers (if applicable), or item identifying characteristics that set the item apart from similar items. Standard format and essential characteristic requirements will be developed and used by item manager to ensure uniformity within groups. LIN item nomenclature must be same as description given in SB 700-20. Records 01 and 02 will contain the long nomenclature (64-character maximum). Record 03 will contain the short nomenclature (21-character maximum). Examples are as follows: a. SCREW, MACHINE, STEEL 1/4 x 28, 31/2 LG. b. GASKET, RUBBER 1/2 IN. ID x 5/8 OD x 1/4 THK. c. RESISTOR, FXD, WW900 OHMS1W, PORM 1. d. CAPACITOR, FXD, MICA-910PF, PRM 5 PCT. e. PAINT, OIL, GREEN, LUSTERLESS 1 QT CAN. f. PLIERS, DIAGONAL, CUTTING 71/2 IN. LG. g. FILE, HAND, SWISS CUT NO. 2, 3, IN. LG. (See note.)
74-79	Line item number	Blank or appropriate 6-digit LIN assigned by LOGSA in SB 700-20.
80	Reserved	For LOGSA use only.

**Notes:**

For LIN items, when the nomenclature in record 01 does not exceed 35 characters, record 02 is not required. LIN Y99990 will use, as the nomenclature, the word NONE in positions 39-42 of record 01, and record 03 will contain the short nomenclature.

## 2-6. Special considerations

The Army PICA/SICA will submit item identification records as follows:

a. *LINs*. Nomenclature for a stock number recorded in the item data record and assigned a LIN cannot exceed three trailer records. Records 01 and 02 contain the nomenclature starting in position 39 with a 64-character maximum (35 in record 01, 29 in record 02). When the nomenclature does not exceed 35 characters, then record 02 is not required, but record 03 containing the short nomenclature (21 characters maximum) is always required.

b. *Subsistence and medical items without a LIN*. The Army PICA/SICA will submit records 01 and 03 to LOGSA for each Army used or managed subsistence or medical NSN without a LIN. The Army PICA/SICA will submit record 02 if the nomenclature starting in record 01 exceeds 35 positions.

c. *All other NSNs*. The Army PICA/SICA will submit to LOGSA, record 01 for each Army used or managed NSN.

d. *The Department of Defense identification code (DODIC)*. DODIC is a 4-position alphanumeric code assigned to some items in Federal supply groups 13 and 14. It is added to positions 33 through 36 of record 01.

## Section III

### Packaging File

## 2-7. Overview

The DOD Packaging Data System is a standard system for developing, recording, and disseminating packaging data. The system will result in the DOD presenting a single face to industry on packaging method selection, packaging requirements, and documentation. Data entered and stored in this system will be readily retrievable, and the inter-service exchange of packaging data will be vastly improved. All material to be packaged will be classified into one of the three following types of items:

a. *Common items*. The Army PICA/SICA will submit all packaging segment records to LOGSA for common items (that is, items for which complete packaging details can be specified by predetermined coding).

b. *Selective items*. The Army PICA/SICA will submit the applicable packaging segment records to LOGSA for selective items (that is, items for which predetermined packaging is not appropriate yet entry of coded packaging requirements with up to 57 positions of supplemental in-the-clear instructions adequately describes the complete packaging requirement).

c. *Special items*. The Army PICA/SICA will submit the applicable packaging segments to LOGSA for special items (that is, items that require sketches, drawings, or narrative type packaging procedures due to their complexity, fragility, weight, or other considerations).

## 2-8. Packaging file data elements

The Army PICA/SICA will submit packaging file records to LOGSA (tables 2-6 through 2-10) for the following data elements:

- a. Card indicator code.
  - b. Cleaning and drying procedure.
  - c. Cushioning and dunnage material code.
  - d. Commercial and Government entity code.
  - e. Container NSN.
  - f. Hazardous code.
  - g. Drawing or part number.
  - h. Item type storage code.
  - i. Intermediate container code.
  - j. Level of protection.
  - k. Level A packing requirement code.
  - l. Level B packing requirement code.
  - m. Level C packing requirement code.
  - n. Method of preservation code.
  - o. Optional procedure indicator.
  - p. Pack level reference indicator.
  - q. Packaging reference.
  - r. Packaging indicator code.
  - s. Preservation material code.
  - t. Packaging category.
  - u. Packaging design activity.
  - v. Quantity per unit pack (QUP)/intermediate pack.
- (1) QUP.

- (2) Intermediate container quantity (ICQ).
- w. Special marking code.
- x. Special packaging instruction (SPI) number.
- y. SPI revision.
- z. SPI date.
- aa. Supplemental instructions.
- ab. Thickness of cushioning and dunnage code.
- ac. Transaction date.
- ad. Maximum unit pack weight.
- ae. Maximum unit pack size.
- (1) Maximum length.
- (2) Maximum width.
- (3) Maximum depth.
- af. Maximum unit pack cube.
- ag. Unit container code.
- ah. Unit container level code.
- ai. Unpackaged item weight.
- aj. Unpackaged item dimensions.
- (1) Item length.
- (2) Item width.
- (3) Item depth.
- ak. Wrapping material code.

**Table 2-6**  
**Packaging file Card No. 1—packaging reference record**

Field number	Field description	Column	Field length	Remarks
1	Document identifier code	1-3	3X	Required.  Column 1-2=CE, Column 3= B (add), S (change), or K (delete).
2	Originator code	4-5	2A	Required. Two-position alpha denoting the activity responsible for preparation and maintenance of the data.
3	Blank	6-7	2X	Reserved.
4	National stock number	8-20	13N	Required.
5	Blank	21	1B	Reserved.
6	Level of protection	22	1A	Must be A, B, C, or N.
7	Blank	23	1B	Reserved.
8	Packaging reference	24-33	10X	Indicates the applicable packaging reference. (See notes 1-8.)
9	Hazardous code	34	1A	Must be one of the following: a. C—Hazardous for transport-performance oriented packaging (POP) item. Package POP tested and certified (no competent authority approval). b. D—Hazardous for transport-POP candidacy not determined. c. F—Hazardous for transport. POP item. Package POP tested and certified with competent authority approval for the inner package. d. H—Hazardous for transport-non-POP. e. J—Hazardous for transport-POP item. Competent authority approval for outer package. f. K—Hazardous for transport-POP item. Competent authority approval for inner package. g. N—Not hazardous for transport. h. P—Hazardous for transport-POP item.

**Table 2-6**  
**Packaging file Card No. 1—packaging reference record—Continued**

Field number	Field description	Column	Field length	Remarks
				i. T—Hazardous for transport-POP item. Package POP tested and certified with competent authority approval for outer package. j. X-Hazardous for transport-POP item. Package for tested and certified with competent authority approval for inner, outer, or special handling. k. BLANK—not determined.
10	Quantity per unit/intermediate pack	35-40	6X	Required.
	Quantity per unit pack	35-37	3X	Required.  State quantity per unit pack in the clear. For items in excess of 999, use codes in MIL-STD-2073.2, paragraph 4.3, or enter U in column 35 and the actual unit pack quantity in columns 36-40, justified, zero-filled.
	Intermediate container quantity	38-40	3X	When intermediate containers are used, enter the number of unit packs to be included in the intermediate container in the clear up to 100. If there is no requirement for intermediate containers, enter 000. An entry of XXX, YYY, or ZZZ is permitted. Additional call out options are contained in MIL-STD-2073.2, paragraph 4-11. (If U option for QUP is used, this field is not available for ICQ.) An entry of XXX, YYY, or ZZZ is permitted.
11	Blank	41	1B	Reserved.
12	Maximum unit pack weight	42-46	5X	Show maximum weight of unit pack to nearest one tenth of a pound up to 9,999.9. Use zeros to fill voids. Items exceeding 9,999.9 pounds, show weight in whole pounds computed as follows: a. Show A in column 42 and whole number in columns 43-46 to represent number given times (X) 10, for example, A9999=99,990). b. Show B in column 42 and whole number in columns 43-46 to represent number given times (X) 100 (for example, B9999=999,900). c. Show C in column 42 and whole number in columns 43-46 to represent number given times (X) 1000 (for example, C9999=9,999,000).
13	Blank	47	1B	Reserved.
14	Maximum unit pack size	48-59	12N	For unit container outside dimensions less than or equal to 999.9 inches, show unit container outside dimensions in the clear to nearest .1 of an inch in order by length, width, and depth.
	Maximum length	48-51		Dimensions less than .1 show as 0001.
	Maximum width	52-55		Use zeros to fill voids (for example, 0024, 0001, and so forth).
	Maximum depth	56-59		For unit container outside dimensions greater than 999.9 inches, enter F in position 51, 55, and/or 59 to denote feet and show dimension in whole feet in positions 48-50, 52-54, and/or 56-58.
15	Blank	60	1B	Reserved.
16	Maximum unit pack cube	61-67	7X	Show actual cube of the unit pack to the nearest one thousandth of a cubic foot up to 9,999.999 cubic feet. For items exceeding 9,999.999 cubic feet, show X in column 61 and indicate cube in whole cubic feet in column 62-67.
17	Depot weight challenge cube system code	68	1A	Enter depot weight challenge cube system code. Enter code D to indicate change is being made because of Depot Weight and Cube Challenge System (DWCCS) challenge. Otherwise, field may be blank.
18	Item type storage code	69	1A	May be blank when level of protection (LOP) is N. Required for LOP A, B, or C. Select appropriate code from table 3-20

**Table 2-6**  
**Packaging file Card No. 1—packaging reference record—Continued**

Field number	Field description	Column	Field length	Remarks
19	Blank	70	1B	Reserved.
20	Packaging indicator code	71	1N	0=Files conversion.  1=Not categorized. 2=Common item. 3=Selective item. 4=SPI. 5=Specification or standard. 6=Other, drawing, and so forth. 7=MIL-STD-1190. 8=NA.
21	Blank	72	1B	Reserved.
22	Pack level reference indicator	73	1X	Must be one of the following codes:  a. N=level of pack not applicable. b. A=corresponding level of pack per level A preservation reference. c. B=corresponding level of pack per level B preservation reference. d. C=corresponding level of pack per level C preservation reference. e. X=corresponding level of pack per MIL-STD-1190. f. Z=corresponding level of pack per supplemental data.
23	Blank	74	1X	Reserved.
24	Transaction date	75-79	5N	Column 75-76=year. Column 77-79=Julian Day.
25	Card indicator code	80	1N	Constant 1.

Notes:

<sup>1</sup> Enter NA (cc 24-25) in packaging reference field if a particular level of protection is not applicable.

<sup>2</sup> Enter NO (cc 24-25) in packaging reference field if priority I for the development of packaging requirements.

<sup>3</sup> Enter NN (cc 24-25) in packaging reference field if priority II for development of packaging requirements.

<sup>4</sup> Enter MIL-STD-726 (cc 24-32) in packaging reference field if coded packaging requirements developed before implementation of MIL-STD-2073.1.

<sup>5</sup> Enter MIL-STD-2073 (CC 24-33) in packaging reference field if packaging requirements developed according to MIL-STD-2073.1 or MIL-STD-2073.2.

<sup>6</sup> Enter MIL-STD-1100 (cc 24-33) in packaging reference field if commercial packaging prescription.

<sup>7</sup> Enter DWCCS RIC (cc 24-32) in packaging reference field if record contains depot developed weight, cube and size. Enter RIC for the depot supplying the data in columns 30-32.

<sup>8</sup> Enter a blank in this field when the LOP code (cc 22) is an N.

**Table 2-7**  
**Packaging file Card No. 2—coded packaging requirements record**

Field number	Field description	Column	Field length	Remarks
1	Document identifier code	1-3	3X	Required.  Columns 1-2=CE, Column 3= B (Add), S (change) or K (delete).
2	Originator code	4-5	2A	Required. Two-position alpha code that denotes the activity responsible for preparation and maintenance of the data.
3	Blank	5-7	2X	Reserved.
4	National stock number	8-20	13N	Required.
5	Blank	21	1B	Reserved.
6	Level of protection	22	1A	Must be "A," "B," or "C."
7	Blank	23	1B	Reserved.

**Table 2-7**  
**Packaging file Card No. 2—coded packaging requirements record—Continued**

Field number	Field description	Column	Field length	Remarks
8	Method of preservation	24-25	2X	Required.  Select appropriate code from MIL-STD-2073.2, tables I, Ia, or Ib for selective group items or from MIL-STD-2073.1, appendix C, table IV, for common group items.
9	Blank	26	1B	Reserved.
10	Cleaning and drying Procedure	27	1X	Required.  Select appropriate code from MIL-STD-2073.2, table II.
11	Blank	28	1B	Reserved.
12	Preservative material	29-30	2X	Required.  Select appropriate code from MIL-STD-2073.2, table III.
13	Blank	31	1B	Reserved.
14	Wrapping material	32-33	2X	Required. Select appropriate code from MIL-STD-2073.2, table IV.
15	Blank	34	1B	Reserved.
16	Cushioning and dunnage	35-36	2X	Required.  Select appropriate code from MIL-STD-2073.2, table V.
17	Blank	37	1B	Reserved.
18	Thickness of cushioning code	38	1X	Required.  Select appropriate code from MIL-STD-2073.2, table VI.
19	Blank	39	1B	Reserved.
20	Unit container level	40-41	2X	Required.  Select appropriate code from MIL-STD-2073.2, from table VII.
21	Blank	42	1B	Reserved.
22	Unit container level	43	1X	Required.  Enter the following as applicable: a. Code O to denote the unit container is not an acceptable shipping container. b. When the unit container is an acceptable shipping container, the highest level of packing protection afforded by the container from the following: (1) Enter A if the container provides level A packing protection. (2) Enter B if the container provides level B packing protection. (3) Enter C if the container provides level C packing protection. (4) Enter D to indicate that no container is required. (5) Enter X when unit container provides minimum packing protection with commercial packaging. (6) Enter Z when container affords, or is limited to special consideration.
23	Blank	44	1B	Reserved.
24	Intermediate container code	45-46	2X	Required.  Select appropriate code from MIL-STD-2073.2, table VII.

**Table 2-7**  
**Packaging file Card No. 2—coded packaging requirements record—Continued**

Field number	Field description	Column	Field length	Remarks
25	Blank	47	1B	Reserved.
26	Special marking	48-49	2X	Required. Select appropriate code from MIL-STD-2073.2, table X.
27	Blank	50	1B	Reserved.
28	Level A packing requirement code	51	1X	May be blank or when level A is required, select appropriate code from MIL-STD-2073.2, table IX.
29	Blank	52	1B	Reserved.
30	Level B packing requirement code	53	1X	May be blank or when level B is required, select appropriate code from MIL-STD-2073.2, table IX.
31	Blank	54	1B	Reserved.
32	Level C packing requirement code	55	1X	May be blank or when level C or commercial packing is required, select appropriate code from MIL-STD-2073.2, table IX.
33	Blank	56	1B	Reserved.
34	Optional procedure indicator	57	1A	May be blank or according to Section III.
35	Blank	58-74	17B	Reserved.
36	Transaction date	75-79	5N	Column 75-76 equals year. Column 77-79 equals Julian Day.
37	Card indicator code	80	1N	Constant 2.

**Table 2-8**  
**Packaging file Card No. 3—packaging category record**

Field number	Field description	Column	Field length	Remarks
1	Document identifier code	1-3	3X	Required.  Column 1-2=CE, Column 3= B (add), S (change) or K (delete).
2	Originator code	4-5	2A	Required. Two-position alpha code that denotes the activity responsible for preparation and maintenance of the data.
3	Blank	6-7	2X	Reserved.
4	NSN	8-20	13N	Required.
5	Blank	21	1B	Reserved.
6	Level of protection	22	1A	Constant A.
7	Blank	23	1B	Reserved.
8	Packaging category	24-27	4X	Required.  In columns 24-25, show the appropriate 2-digit code for the physical and chemical characteristics of the item using MIL-STD-2073.1, appendix C, table I. In columns 26-27, show the 1-digit code for weight/fragility, and the 1-digit code for the preservation from MIL-STD-2073.1, appendix C, tables II and III.
9	Blank	28	1B	Reserved.

**Table 2-8**  
**Packaging file Card No. 3—packaging category record—Continued**

Field number	Field description	Column	Field length	Remarks
10	Unpackaged item weight	29-33	5X	Show actual net weight of item to the nearest one-tenth of a pound up to 9,999.9. Use zeros to fill voids. For items in excess of 9,999.9 pounds, show weight in whole pounds computed as follows: a. Show A in column 29 and the whole number in columns 30-33 to represent the number given times (X) 10 (for example, A9999=99,990). b. Show B in column 29 and the whole number in columns 30-33 to represent the number given times (X) 100 (for example, B9999=999,900). c. Show C in column 29 and the whole number in columns 30-33 to represent the number given times (X) 1000 (for example, C9999=9,999,000).
11	Blank	34	1B	Reserved.
12	Unpackaged item dimensions Item length Item width Item depth	35-46  35-38  39-42 43-46	12N	Required.  Show unpackaged item dimension to the nearest .1 inch in order by length, width, and depth. For cylindrical items, height will be indicated in length field. The largest diameter will be indicated in the width field. The depth field will be zero filled (0000). Dimensions less than .1 inch show as 0001. Use zeros to fill voids (for example, 0024, 0001, and so on).
13	Blank	47	1B	Reserved.
14	Commercial and Government entity code of the part number	48-52	5X	Optional.  Enter the 5-character code corresponding to manufacturer of the part assigned in conformance with cataloging handbook H4/H8, section A.
15	Blank	53	1B	Reserved.
16	Drawing or part number	54-74	21X	Optional.  Enter the drawing or part number of the item being packaged, as applicable.
17	Transaction date	75-79	5N	Column 75-76=year. Column 77-79= Julian Day.
18	Card indicator code	80	1N	Constant 3.

**Table 2-9**  
**Packaging file Card No. 4—special packaging instructions record**

Field number	Field description	Column	Field length	Remarks
1	Document identifier code	1-3	3X	Required.  Column 1-2=CE, Column 3= B (add), S (change) or K (delete).
2	Originator code	4-5	2A	Required. Two-position alpha code that denotes the activity responsible for preparing and maintaining the data.
3	Blank	6-7	2X	Reserved.

**Table 2-9**  
**Packaging file Card No. 4—special packaging instructions record—Continued**

Field number	Field description	Column	Field length	Remarks
4	National stock number	8-20	13N	Required.
5	Blank	21	1B	Reserved.
6	Level of protection	22	1A	Must be "A," "B," or "C."
7	Blank	23	1B	Reserved.
8	SPI number	24-33	10X	Required. Enter the applicable SPI number as follows: a. Column 24= (1) "A" for Army. (2) "F" for Air Force. (3) "N" for Navy. (4) "D" for DLA. (5) "M" for Marine Corps. b. Column 25=1st position of MATCAT to denote the responsible preparing Army activity. c. Column 26-33=nonsignificant numbers at the discretion of the preparing activity. For other service managed items, Column 25-33 entries at the discretion of preparing activity.
9	Blank	34	1B	Reserved.
10	SPI revision	35	1A	Required. The basic will be indicated by a dash (-) in this field. Enter revision symbol as an alphabetic character beginning with "A" for first revision, then proceeding through the alphabet for each succeeding revision.
11	Blank	36	1B	Reserved.
12	SPI date	37-41	5N	Required. Enter ordinal date, reflecting the 2-position year, and 3-position day of the last revision of the SPI. Eliminate use of spaces or dashes.
13	Blank	42	1B	Reserved.
14	Packaging design activity code identification	43-47	5N	Required.  Enter 5-character numerical CAGEC of the packaging design activity.
15	Blank	48	1B	Reserved.
16	Container NSN	49-61	13N	Required. Show the NSN of the long life container required, if applicable.
17	Blank	62-74	13B	Reserved.
18	Transaction date	75-79	5N	Column 75-76=year. Column 77-79=Julian Day.
19	Card indicator	80	1X	Constant 4.

**Table 2-10**  
**Packaging file Card No. 5—supplemental instructions record**

Field number	Field description	Column	Field length	Remarks
1	Document identifier code	1-3	3X	Required.  Column 1-2=CE, Column 3= B (add), S (change) or K (delete).
2	Originator code	4-5	2A	Required. Two-position alpha code denoting the activity responsible for preparing and maintaining the data.
3	Blank	6-7	2X	Reserved.
4	National stock number	8-20	13N	Required.
5	Blank	21	1B	Reserved.
6	Level of protection	22	1A	Must be A, B, or C.
7	Supplemental instructions	23-79	57	Required.  Enter data as follows: Show a maximum of 57 digits, including spaces. Leave one space between words, codes, and symbols.
8	Card indicator code	80	1X	Constant 5.

## 2-9. Priority for developing packaging requirements

The Army PICA/SICA will develop packaging data for each Army used or managed NSN per the following priorities:

*a. Priority I (stocked items).* Items with the following acquisition advice codes:

- (1) A—service regulated.
- (2) B—National inventory control point (NICP) regulated.
- (3) C—services managed.
- (4) D—DOD inventory materiel management (IMM) stocked and issued.
- (5) E—other service managed, stocked and issued.
- (6) G—General Service Administration (GSA) IMM stocked and issued.
- (7) H—direct delivery under a central contract.
- (8) K—centrally stocked for overseas only.
- (9) M—restricted requisitions, major overhaul.
- (10) P—restricted requisition.
- (11) R—restricted requisition.
- (12) S—restricted requisitioning, other service funded.
- (13) Z—insurance/numeric stockage objective item.

*b. Priority II (nonstocked items).* Items with the following acquisition advice codes:

- (1) F—fabricate contract/schedule.
- (2) I—direct ordering from a central contract/schedule.
- (3) J—not stocked, long lead-time.
- (4) L—local purchase.
- (5) N—restricted requisitioning, disposal.
- (6) Q—bulk petroleum products, Defense Logistics Agency (DLA) managed.
- (7) T—condemned.
- (8) V—terminal item.
- (9) W—restricted requisitioning, special instructions apply.
- (10) X—semiactive item, no replacement.
- (11) Y—terminal item.

*c.* The Army PICA will submit packaging data to LOGSA, as shown by tables 2-6 through 2-10 above for each Army managed NSN. On receipt of packaging records, LOGSA will edit, validate and forward records to FLIS total

item record for filing in the segment W. LOGSA will submit packaging data to the FLIS as the registered recipient of Army-interest packaging data.

## **2-10. Optional procedure indicator codes**

*a.* Enter "A" if packaging is governed by a specification or standard other than those referenced in the preservative method code column 29-30 or by an SPI. Show the appropriate number in the packaging reference area, card number 1.

*b.* Enter "M" if all packaging data are mandatory for compliance and no substitution is permitted. Deviation from any of these elements will have prior approval of the buying activity. Fast packs will be included in this category.

*c.* Enter "O" if an option can be exercised as to the submethod and packaging materials to be used. However, the basic preservation method will be retained, requirements as indicated in supplemental data will be complied with, and unit package dimensions will not be increased. There will be no increased cost to the Government and equal or better protection will be given the item. Prior approval of the buying activity is not required under these conditions.

*d.* Enter "E" to indicate that options can be exercised as to the submethod and the packaging materials to be used. In such cases, the options that may be exercised must be indicated in supplemental data. However, the basic preservation method will be retained and unit package dimensions will not be increased. There will be no increased cost to the Government and equal or better protection will be given the item. Prior approval of the buying activity is not required under these conditions.

*e.* Enter codes "F" or "R" for special options as they apply to use of polyurethane foam-in-place for other than SPI items and will supplement the coded data. The codes relate to MIL-P-26514 and are defined as "F" for flexible (type II, class 2, grade C) and "R" for rigid foam-in-place (type II, class 1). These codes will sometimes require stipulation of supplemental data. If foam-in-place requires a larger container than other normally acceptable packaging (conventional), the foam-in-place container requirements will be coded in place of the conventional data. Limitations and freedoms indicated by optional procedure code O also apply to these codes, except that two maximum container sizes may be specified; one for foam-in-place and another for other options. The second container size will be expressed as supplemental data.

*f.* Enter "P" if an SPI governs the packaging but permission is granted to use polyurethane foam-in-place as specified on the SPI only when the SPI pack is not available.

## Section IV Freight Segment

### 2-11. Overview

This segment provides guidance for input, upkeep, and output of transportation data on cargo content. These data are used by CONUS traffic management activities to determine freight rates and modes for routing materiel shipments within CONUS/OCONUS.

### 2-12. Concept

- a. The Army PICA will submit freight data to LOGSA as shown by tables 2-11 and 2-12, for each Army managed, stocked, non-nuclear ordnance NSN.
- b. On receipt of DLIS FLIS freight confirmation record, LOGSA will file and retain data in the AMDF and distribute freight data elements as shown in tables 2-11 and 2-12 below.
- c. LOGSA will submit freight data to the DLIS FLIS as the registered recipient of Army-interest freight data.
- d. Army activities will challenge incorrect or questionable AMDF data by contacting the item manager, either manually or through an automated system.
- e. Freight segment records are distributed as follows:
  - (1) *Freight segment change*— Management data distribution (MDD)/single source distribution (SSD).
  - (2) *Item data segment (IDS) gain*— MDD only.
  - (3) *MDD only; IDS C58 SOS change only*— MDD only.
  - (4) *Freight segment material safety data sheet (MSDS) indicator code change only*— MDD/SSD.

**Table 2-11**  
**Freight data record—Card No. 1**

Positions	Field legend	Remarks
1-3	Document identifier code	Positions 1 and 2 are always "CF." Position 3 is "B" for Add, "K" for delete and "S" for change. For depot challenges, position 3 will always be "X."
4-5	File originator	Two-position alpha code denoting the activity responsible for preparing and maintaining data. (See table 3-3.)
6-7	Reserved	For LOGSA use only.
8-20	National stock number	Stock number in this field will always match the stock number reported for the item data record.
21-22	Reserved	For LOGSA use only.
23	Integrity code	An alpha code to indicate that an NSN has been selected and reviewed by U.S. Army Military Traffic Management Command (MTMC) to ensure that the freight classification data is correct. Can only be submitted by MTMC.
24-25	Reserved	For LOGSA use only.
26-31	National motor freight classification code	A 6-character numeric code taken from the NMFC tariff. Code that indexes freight classification data, that is, NMFC description, LTL and LCL ratings, and minimum weight. Code 99999 in this field means that an NMFC code is not applicable.
32	Reserved	For LOGSA use only.
33	NMFC subitem number code	An alpha code that indicates the sub of an NMFC item number. Codes "A" through "W" will correspond with the sub-number shown in the NMFC. If there is no NMFC subitem number, value of X is to be shown. If there is a subitem number, but its proper value cannot be determined, value of Z will be entered. Letters I, O, and Y will be invalid codes.
34-35	Reserved	For LOGSA use only.
36-40	Uniform freight classification code	A 5-character numeric taken from the UFC Tariff. Code that indexes rail freight classification data: that is, UFC description, LTL and LCL ratings, and minimum weight.
41-42	Reserved	For LOGSA use only.

**Table 2-11**  
**Freight data record—Card No. 1—Continued**

Positions	Field legend	Remarks
43	Less-than-truckload rating code	A 1-character alpha code that converts to a rating assigned an article to develop transportation charges for LTL shipments.
44	Reserved	For LOGSA use only.
45	Less-than-carload rating code	A 1-character alpha code that converts to a rating assigned an article to develop transportation charges for less-than-carload shipments.
46-47	Reserved	For LOGSA use only.
48	Rail variation code	Reflects either a numeric 1 or blank. Numeric 1 indicates a difference in article description between the rail and motor freight classification; if no difference exists, field is blank.
49-50	Reserved	For LOGSA use only.
51-53	Water commodity code	A 3-character alphanumeric code that, when used with the type cargo code, and handling code, identifies commodities for ocean manifesting, military sea transportation billing, cost accounting, contractor payment, and cargo exception.
54-55	Reserved	For LOGSA use only.
56	Type-of-cargo code	
57-58	Reserved	For LOGSA use only.
59-62	United Nations Organizational Serial Number	A 4-character numeric code designating item on dangerous goods list.
59	Special handling code	A 1-character alphanumeric code indicating whether special handling is needed.
60-61	Reserved	For LOGSA use only.
62	Air dimension code	A 1-character alpha code that identifies dimensional features of air shipments.
63-64	Reserved	For LOGSA use only.
65-66	Air commodity and special handling code	A 2-character alphanumeric commodity code used for all air shipments.
67-68	Reserved	For LOGSA use only.
69-70	Hazardous materiel code	
71	Reserved	For LOGSA use only.
72	Material safety data sheet	
73	Reserved	For LOGSA use only.
74-78	Transaction date	Positions 74-75=Year. Positions 76-78=Julian Day.
79	Reserved	For LOGSA use only.
80	Card indicator code	Constant 1.

**Table 2-12**  
**Freight data record—card No. 2**

Positions	Field legend	Remarks
1-3	Document identifier code	Positions 1 and 2 always "CF."Position 3 is "B" for add, "K" for delete, and "S" for replace. For depot challenges, position 3 will always be "X."
4-5	Originator	A 2-position alpha code denoting activity responsible for preparation and maintenance of data.
6-7	Reserved	For LOGSA use only.
8-20	NSN	Stock number in this field will always match the stock number reported for the item data record.

**Table 2-12**  
**Freight data record—card No. 2—Continued**

Positions	Field legend	Remarks
21-22	Reserved	For LOGSA use only
23-57	National motor freight classification description	Field reflecting the description of the item as developed by MTMC by use of the NMFC tariff.
58	Reserved	For LOGSA use only.
59-62	United Nations serial number	Blank or the appropriate 4-position alphanumeric code.
63-73	Reserved	For LOGSA use only.
74-78	Transaction date	Position 74-75=year. Position 76-78=Julian Day.
79	Hazardous material indicator code	Blank or the appropriate 1-position alpha code will be provided by DLSC.
80	Card indicator code	Constant 2.

### 2-13. Freight segment data elements

The following data elements are received from the Army PICA and are retained in the freight segment:

- a. Air commodity and special handling (ACSH) code.
- b. Air dimension (ADC) code.
- c. Hazardous material (HM) code.
- d. Integrity code.
- e. Item name.
- f. Less-than-truckload (LTL) rating code.
- g. Less-than-carload (LCL) rating code.
- h. Material safety data sheet indicator code.
- i. National motor freight classification (NMFC) code.
- j. NMFC subitem number code.
- k. NMFC description.
- l. National stock number.
- m. Originator code.
- n. Rail variation code.
- o. Special handling code.
- p. Type of cargo (TC) code.
- q. Uniform freight classification (UFC) code.
- r. United Nations organizational serial number.
- s. Water commodity code.

## Section V

### Interchangeable and Substitutable Segment

#### 2-14. Interchangeable and substitutable segment provisions

This segment provides a way to:

- a. Record, maintain, and distribute approved I&S data.
- b. Identify stock numbers assigned a LIN.
- c. Group by LIN those stock numbers connected with a LIN.
- d. Identify national and North Atlantic Treaty Organization (NATO) stock numbers for ammunition items that have been assigned a DODAC.
- e. Allow recipients of I&S data to satisfy requirements by using all on-hand assets, where possible, and to defer requisitions and prevent needless purchases.

#### 2-15. Special considerations

- a. Data for input to the I&S segment may be submitted directly by the file originators, or it will be developed by LOGSA from data received on the third record of CMD transactions or by changes made to the SB 700-20.
- b. The I&S segment includes the following three sections:
  - (1) Section I, replacement information that is further divided into two parts: part 1, an I&S cross-reference file; and part 2, I&S group file (order-of-use (OOU) file).

(2) Section II, major items, that is further divided into two parts; part 1, major item cross-reference file; and part 2, major item group file.

(3) Section III, ammunition and explosives that is further divided into two parts: part I, stock number to DODAC cross-reference file; and part 2, DODAC group file.

c. Every stock number in the I&S segment must also be in the IDS.

d. As changes and deletions are made to the IDS, necessary changes must be made to the I&S segment.

e. When stock numbers within any I&S group (OOU, LIN, or DODAC) are involved in a materiel transfer, all numbers of the group will be transferred or the group will be dissolved.

f. Whenever deletions (CHK, CJK) from part 1 of sections I and II are processed or the CMD data record of the IDS is deleted with a C37, LOGSA will internally generate and file a history record in the I&S history file.

g. Periodically, LOGSA will review I&S records to detect errors and refer them to the originators for correction. Originators review errors and take corrective action as soon as possible. This LOGSA screening does not relieve the originators from conducting similar reviews to prevent input of errors.

h. Collaborations are as follows:

(1) Section I collaboration will be according to I&S procedures established for the FLIS.

(2) Collaboration of I&S data is not required when the data are obtained from the integrated materiel manager through standardization actions (FLIS segment E) issued by DLIS.

## 2-16. Procedures for section I, part 1 (I&S cross-reference file)

a. Record format and explanation are shown in table 2-13 below.

b. Input to this file is generated by LOGSA based on information recorded in the CMD record 3 from FLIS.

c. This file depicts stock number relationships by using the authorized I&S segment phrase codes. Every number in this file must contain a phrase code, and relationships containing active phrase codes must reflect a preferred stock number to connect it to the I&S OOU file (part 2). Cross-reference records containing terminal phrase codes (L, T, or Z) will not appear in the OOU file and for these phrase codes the preferred NSN field will be blank. NICP/service item control center (SICC) must ensure that the preferred stock number in this file is updated when the preferred stock number in the OOU file is replaced by a new stock number.

d. For phrase coded relationships in the file, the described stock number, preferred stock number, and related stock number must have the same unit of issue and the same Federal supply classification (FSC).

e. Records in this file that contain phrase code E must have a reversing G companion record with the same preferred stock number. Records that contain phrase code F must have a reversing 7-companion record, and those with a phrase code S must have a reversing phrase code 3 present on input. Changes to one phrase code in the relationship requires changes to the reversing phrase code.

f. Cross-reference records containing phrase code U (manager interest only) will not be filed in the ACLDB or broadcast to AMDF users. Special requirements, code 4, recorded in the item data segment will satisfy this requirement.

**Table 2-13**  
**I&S record procedures: Section I, part 1, AN I&S cross-reference (LOGSA generated)**

Positions	Field legend	Remarks
1-3	Document identifier code	Positions 1 and 2 are always "CJ." Position 3 is "B" for adding new data or data that were deleted when revised; "K" is used to delete an entire record or revise existing record which must be coupled with "B." For delete, all fields except position 3 and 75-78 must copy the existing record.
4-5	Originator code	(See table 3-3.)
6-7	Reserved	For LOGSA use only.
8-20	Described stock number field	Stock number of the item for which the record is being processed.
21-25	Reserved	For LOGSA use only.
26-38	Preferred stock number field	Preferred stock number.
39-46	Reserved	For LOGSA use only.
47	Phrase code	Use appropriate code in table 3-31 applicable to AN I&S segment relating to described stock number (positions 8-20) to related stock number (positions 48-60).
48-60	Related stock number	Stock number of the item related to the described stock number (positions 8-20).

**Table 2-13****I&S record procedures: Section I, part 1, AN I&S cross-reference (LOGSA generated)—Continued**

Positions	Field legend	Remarks
61-74	Reserved	For LOGSA use only.
75-78	Effective date	Year and Julian Day the change notice is effective.
79-80	Reserved	For LOGSA use only.

**2-17. Procedures for section 1, part 2 (I&S OOU file)**

- a. Record explanation is shown in table 2-14 below.
- b. Input to this file is also generated by LOGSA based on information recorded in the CMD record three.
- c. An OOU group consists of two or more described stock numbers that have an I&S relationship with each other. This file is in the preferred stock number order and reflects the following:

(1) NICP/SICC determines preferred stock numbers. This does not mean endorsement or preference for a specific manufacturer's item or product. The preferred stock number is the last item in the group and must be suitable to use in place of any other item in the group.

(2) Nomenclature of the preferred stock number has been eliminated from the OOU file.

(3) The OOU code is a 3-position code comprised of the following two parts.

(a) *Subgroup code.* The first two positions of the OOU code, indicates whether an item in an I&S family is interchangeable or substitutable with items in the same family having higher OOU values. If the subgroup values are the same, the two items are interchangeable. If the subgroup values are different, the two items are substitutable, with the item having the higher value subgroup code being the preferred item.

(b) *Sequence code.* The third position of the OOU code indicates the OOU within a subgroup (that is, among interchangeable items). The least preferred item in the subgroup (or the only item, if there is a single NSN in the subgroup) will have an "A" assigned. Sequence codes B, C, D, and so forth, will be assigned to the other interchangeable items in order of preference. The most preferred interchangeable item in the subgroup will have the highest value sequence code.

(4) The subgroup code and sequence code will not be displayed as separate entries, nor will numeric sequence codes be used to identify items unsuitable for issue or use. Items unsuitable for use will no longer be included in I&S families.

(5) The jump-to-code (JTC) denotes an exception to the normal sequence to be followed in the attrition of items within an I&S family. In specific instances, an item cannot be replaced by the next substitutable item as shown by "OOU" designation. In this case, the "JTC" is used to jump to an "OOU" whose "NSN" is a proper substitute. When the "JTC" is applied, it must be recorded against the "NSN" having the highest value sequence code in the subgroup. The JTC value itself must—

- (a) Contain a subgroup value at least two greater than that of the "OOU" of the "NSN" it is recorded against.
- (b) Be an "A" in the third position.
- (c) Reflect an "OOU" recorded in segment H for that service or CIMM.

d. To understand and apply the format and codes in this part correctly, it is essential to make maximum use of authorized substitutes to satisfy Army needs. Tables 2-15 through 2-18 show the most frequent type of I&S group relationships and code assignments.

**Table 2-14**  
**AN I&S record procedures: Section I, part 2, I&S order-of-use file (LOGSA generated)**

Positions	Field legend	Remarks
1-3	Document identifier code	Enter CKB to add a record. Enter "CKK" to delete an entire group or revise an existing group, which must be coupled with B records. For a delete, all fields except positions 3 and 74-78 must copy existing record of the group's preferred stock number.
4-5	Originator	(See table 3-3.)
6-7	Reserved	For LOGSA use only.
8-20	Preferred stock number	Preferred stock number of the item being processed. This number identifies the I&S group.
21-47	Reserved	For LOGSA use only.
48-60	Described stock number Field	Stock number of the related item within the family group.
61-65	Reserved	For LOGSA use only.

**Table 2-14**  
**AN I&S record procedures: Section I, part 2, I&S order-of-use file (LOGSA generated)—Continued**

Positions	Field legend	Remarks
66-68	Order-of-use code	Combined subgroup and sequence code, which denotes normal order-of-use progression within the family and whether the described item is substitutable or interchangeable with other described items in the family.
69	Reserved	For LOGSA use only.
70-72	Jump-to-code	Denotes an exception to the normal order-of-use progression within the family (when the next described item is not a suitable substitute). JTC value must reflect that of an order-of-use recorded in the family and must be at least two greater than the order-of-use value of the item recorded against.
73	Reserved	For LOGSA use only.
74-78	Effective date	Year and Julian Day the change notice is effective.
79-80	Reserved	For LOGSA use only.

**Table 2-15**  
**Interchangeable items (2-way)**

Preferred stock number	Described stock number	OOU	JTC
1015-00-078-5502	1015-00-342-1133	AAA	
	1015-00-772-7373	AAB	
	1015-00-779-6027	AAC	
	1015-00-078-5502	AAD	

(1) The subgroup code (positions 1 and 2) is the same for each of the four described stock numbers. Since all items are in the same subgroup (AA), they can be freely interchanged.

(2) The sequence code (position 3) is incremented by one for each item in the family to show the order in which the items will be used. The item coded AAA will be used before the items coded AAB, AAC, AAD. The item coded AAB will be used before the items coded AAC, and AAD and so on for the items coded AAC and AAD.

(3) If described stock number 1015-00-342-1133 is requested and is available, it will be used or issued. If there are no assets available, the next NSN (1015-00-772-7373) will be used or issued and so on until the last family member or preferred NSN is reached. Because these items are interchangeable, NSN 1015-00-342-1133 could be used or issued even though NSN 1015-00-078-5502 is requested and available. (See table 2-16.)

**Table 2-16**  
**Substitute items (1-way progressive)**

Preferred stock number	Described stock number	OOU	JTC
4935-00-084-8403	4935-00-083-8269	AAA	
	4935-00-084-8404	ABA	
	4935-00-084-8406	ACA	
	4935-00-084-8403	ADA	

(4) The subgroup code for each item is different, AA, AB, AC, and AD and has only a one-way substitution relationship with the other items indicated by the 3-position OOU code.

(5) The OOU code tracks each item to the next, meaning that each item is a substitute for all preceding items, but not the reverse. Code “ABA” is a substitute for “AAA;” “ACA” is a substitute for “ABA” and “AAA;” and “ADA” is a substitute for every other item in the group. However, “AAA” cannot be substituted for “ABA,” “ACA,” or “ADA;” “ABA” cannot be substituted for “ACA” or “ADA;” and “ACA” cannot be substituted for “ADA.”

(6) The sequence code remains the same for each item in this example. Technically, each item is a separate subgroup; therefore, the combined subgroup/sequence code must be used to determine the proper attrition or order-of-use. (See table 2-17.)

**Table 2-17**  
**Substitute items (1-way, one item replaces several)**

Preferred stock number	Described stock number	OOU	JTC
5120-00-236-2127	5120-00-227-7319	AAA	ADA
	5120-00-236-2100	ABA	ADA
	5120-00-227-9490	ACA	
	5120-00-236-2127	ADA	

(7) In this group, only item ADA (preferred stock number) is a substitute for the others as indicated by the JTC. Items AAA, ABA, and ACA are not substitutes for each other or the preferred item. OOU codes for items AAA and ABA track each item to itself first, the JTC then directs the user to the preferred stock number as the next suitable substitute. There is no JTC assigned to item ACA, as JTC subgroup value must be at least two greater in value than the subgroup value of the item it is recorded with. Normal OOU progression applies to this item. (See table 2-18.)

**Table 2-18**  
**Combination of substitutable/interchangeable items, with JTC application**

Preferred stock number	Described stock number	OOU	JTC
6656-00-397-6254	6645-00-111-6019	AAA	ADA
	6645-00-718-3022	ABA	ADA
	6645-00-882-9799	ACA	
	6645-00-013-5962	ADA	
	6645-00-414-8277	ADB	
	6645-00-727-3014	ADC	
	6645-00-202-1101	ADD	
	6645-00-397-6254	ADE	

(8) This family contains both interchangeable and substitutable items. Whenever this situation occurs, substitutable items will be listed first in the family. The JTC denotes that item ABA cannot be substituted for item AAA and item ACA cannot be substituted for item ABA. The next suitable substitute is item ADA, the first item in the interchangeable subgroup and the continuation of normal OOU progression. Item ADE is the preferred item and will substitute for all others in the family.

## 2-18. Precautionary measures

The following precautionary measures must be taken by the NICP/SICC when establishing or modifying I&S groups:

- a. When applicable, I&S relationships must apply to all known Army uses.
- b. When using data presented by an I&S group, substitutes not specified and restricted by the order-of-use codes may be used to satisfy specific applications. When this occurs, interrogations must be done on an individual item basis and substitution authorized only by approval of the requisitioner.
- c. The following restrictions apply when establishing I&S groups:
  - (1) The stock number may appear in one and only one I&S OOU group.
  - (2) All stock numbers in the same I&S group must have a reasonable cost relationship.
  - (3) All stock numbers in the same I&S group must have the same unit of issue and the same FSC.
  - (4) Each I&S family is limited to 50 stock numbers.
  - (5) All stock numbers must be active and must appear in the IDS.
  - (6) Preferred and related items must contain the same appropriation and budget activity (ABA) account code. This is required for budget preparation and item accounting.

## 2-19. Procedures for section II, major items

These records are not on file at LOGSA. LOGSA broadcasts these records in the monthly SSD. The term “major items,” as used here is not limited to stock numbers designated as major items by activities according to other Army regulations or directives. Stock numbers assigned a LIN are shown in this section. Data does not reflect authorized I&S data, but does relate stock numbers to the assigned LIN. It also relates the LIN to stock numbers. Data in this section are presented as follows:

- a. Part 1, major item cross-reference file.
- (1) Table 2-19 shows the format for each NSN assigned a LIN.
  - (2) The records are based on the LIN or stock number relationship. LOGSA broadcasts these records in stock number sequence to permit cross-reference to the major item group file.
  - (3) All records reflect a LIN.
  - (4) All records are generated by LOGSA based on information recorded in SB 700-20.
- b. Part 2, major item group file.
- (1) Record explanation is shown in table 2-20.
  - (2) LOGSA broadcasts these records in LIN sequence from the records generated in part 1 above. Records so generated are included in the same change notice as the part 1 record from which they were created.
  - (3) LINs identify generic groups containing items that have common physical and performance characteristics and can satisfy the same operational need. However, some items identified by the same LIN as having the same functional capability are not totally interchangeable. For example, clothing type items due to size, alphabetic flags, and so on are subject to management review to determine supply.

**Table 2-19**  
**I&S record procedures, Section II, part 1, major-item cross-reference (LOGSA) generated**

Positions	Field legend	Remarks
1-3	Document identifier code	Positions 1 and 2 always CH. Position 3 coded B to add, K to delete a single record entirely or to revise an existing record, which must be coupled with a B action. For a delete, all fields except positions 3 and 74-78 must copy the existing record.
4-5	Originator code	(See table 3-3.)
6-7	Reserved	For LOGSA use only.
8-20	Stock number field	Stock number of the item for which the record is being processed.
21-25	Reserved	For LOGSA use only.
26	Logistic control code	Appropriate code for the stock number in positions 8-20 per table 3-21.
27-32	Line item number	Alphanumeric designator (SB 700-20) that identifies the generic family of the stock number in positions 8-20.
33-36	Reserved	For LOGSA use only.
47	Phrase code	Table 3-31 defines the relationship between the stock number in positions 8-20 and stock number in positions 48-60. Not mandatory unless positions 48-60 contain a stock number.
48-60	Related stock number	When applicable, reflects the stock number related to the described stock number in positions 8-20. Not mandatory unless position 47 contains a phrase code.
61-73	Reserved	For LOGSA use only.
74-78	Effective date	Year and Julian Day change notice is effective.
79-80	Reserved	For LOGSA use only.

**Table 2-20**  
**I&S record procedures, Section II, part 2, major item group (LOGSA generated)**

Positions	Field legend	Remarks
1-3	Document identifier code	Enter "CTB" to add a record. Enter "CTK" to delete a single record entirely or to revise an existing record, which must be coupled with a B action. For a delete, all fields except positions 3 and 74-78 must copy the existing record.
4-5	Originator	(See table 3-3.) This code identifies the activity starting section III, part 1, record.
6-7	Reserved	For LOGSA use only.
8-13	Line item number	Alphanumeric designator (SB 700-20) identifying generic family of stock number in positions 48-60.

**Table 2-20**  
**I&S record procedures, Section II, part 2, major item group (LOGSA generated)—Continued**

Positions	Field legend	Remarks
14-47	Reserved	For LOGSA use only.
46	Blank	
48-60	Stock number field	This is the Stock number for which the record is being processed.
61	Logistic control code	Use appropriate code per table 3-22.
61-73	Reserved	Blank.
74-78	Effective date	Year and Julian Day change notice is effective.
79-80	Reserved	For LOGSA use only.

## 2-20. Procedures for section III, ammunition and explosives

*a.* Part 1, cross-reference stock number to DODAC file.

(1) Record explanation is shown in table 2-21.

(2) This file is in stock number sequence to permit cross-reference to the DODAC group file, part 2.

*b.* Part 2, DODAC group file.

(1) These records are not on file at LOGSA. LOGSA broadcasts these records in the monthly SSD.

(2) Record explanation is shown in table 2-22.

(3) Records are generated by LOGSA from records input to part 1.

(4) This file is in DODAC sequence to permit cross-reference to part 1 submitted by the file originators.

*c.* Ammunition and explosive items are not subject to phrase codes (except “A” and “C”) and “OOU,” because of the differences in production capabilities asset position, asset location, customer location, transportation needs, and so forth. Therefore, phrase codes and I&S group concepts do not apply to this file.

*d.* Use of DODAC numbers. When ammunition operations are done based on generic description, the entire 8-character code number will be used: For example “1305-A011.”

*e.* Use of NSN and NATO numbers. When ammunition operations are done based on specific items of supply, the 13-digit stock number will be used followed by the second part of the DOD ammunition code number, for example: “1305-00-011-7217-A011.”

**Table 2-21**  
**I&S record procedures, Section III, part 1, DODAC group (LOGSA generated)**

Positions	Field legend	Remarks
1-3	Document identifier code	Enter “CNB” for add; “CNK” for delete.
4-5	Originator code	(See table 3-3.)
6-7	Reserved	For LOGSA use only.
8-20	Stock number field	Enter appropriate stock number.
21	Reserved	For LOGSA use only.
22-29	DODAC	This is the Department of Defense Identification Code.
30-73	Reserved	For LOGSA use only.
74-78	Effective date	Year and Julian Day the change notice is effective.
79-80	Reserved	For LOGSA use only.

**Table 2–22**  
**I&S record procedures, Section III, part 2, DODAC group (LOGSA generated)**

Positions	Field legend	Remarks
1-3	Document identifier code	Positions 1 and 2 is always CL. Position 3 is coded B to add new data or to reinput data that was deleted when revised; use “K” to delete a single record entirely or to revise an existing record, which must be coupled with B. For a delete, all fields except position 3 and 74-78 must copy the existing record.
4-5	Originator code	This code identifies the activity that started the section III, part 1 record from which LOGSA generated this record.
6-7	Reserved	For LOGSA use only.
8-15	DODAC	FSC and DODIC
16-24	NIIN	A 9-position code assigned to item in positions 12-20 of part 1, section III that applies to the DODAC in positions 8-15.
25-73	Reserved	For LOGSA use only.
74-78	Effective date	Year and Julian Day the change notice is effective.
79-80	Reserved	For LOGSA use only.

## Section VI

### History Segment

#### 2–21. Overview

This segment provides a means for determining the most current identifying number assigned to an item of supply, replacing numbers removed from the supply system, and limited management data for the identifying numbers.

#### 2–22. Section I–item data history (IDHIS)

*a.* A file of the following types of identifying numbers that are deleted from the AMDF are maintained at the LOGSA:

- (1) NSNs.
- (2) MCNs as follows:
  - (a) Medical MCNs.
  - (b) MCNs that were used in supply transactions now prohibited by AR 708-1, chapter 3.

*b.* Army activities will use IDHIS identifying numbers only in publications such as technical manuals, technical bulletins, modification work orders, supply and maintenance letters. Army activities will not use IDHIS identifying numbers in supply transactions, including the support of standard equipment used by U.S. Armed Forces or limited standard or obsolete equipment used by friendly foreign countries in programs controlled by the U.S. Army Security Assistance Center.

*c.* LOGSA or the AMDF originator will submit a transaction, as shown in table 2-23 below, to correct erroneous records on the IDHIS. For these transactions, LOGSA or the AMDF originator ensures that the effective date is the first of any month, current or past, and that the transaction is compatible with the item data segment. LOGSA will distribute the change to Army users of the AMDF with the next monthly broadcast.

*d.* The IDHIS is maintained at the LOGSA in two configurations—

(1) A cross-reference file that relates former numbers to the current or last related identifying number. LOGSA maintains and issues this file in identifying number sequence. LOGSA cross-references all identifying numbers deleted from the AMDF with phrase codes “A,” “C,” “D,” or “P” directly to the replacing item.

(2) A current number file that relates the current or last related identifying number to former identifying numbers assigned to the same item of supply.

*e.* LOGSA and recipients must perform the following to maintain the cross-reference file:

(1) Remove the related number status code from position 68 in all cross-reference records that have in positions 42 through 54 the item data segment record positions 8 through 20 stock number because of processing a group 8 transaction to the IDS.

(2) Create a cross-reference record using phrase code D to reflect the relationship between a cross-reference related number and IDS record number when an IDS transaction activates an NIIN with a FSC different from the FSC of an identical cross-reference related national item identification number (NIIN).

**Table 2-23**  
**Section I—item data history record**

Positions	Field legend	Remarks
1-3	Document identifier code	Positions 1 and 2 are always CC . Position 3 is coded B to add new data that cannot be generated from an IDS delete. "D" is used to add data resulting from an IDS delete; "E" is used to add data resulting from an IDS NSN change, and "H" to delete records containing incorrect data. "D" and "E" must be internally generated by LOGSA and file recipients.
4-5	Originator code	(See table 3-3.)
6-7	Reserved	For LOGSA use only.
8-20	Stock number field	NSN, medical MCN.
21-31	Reserved	For LOGSA use only.
32	Identifying number code	Type of number in positions 8-20. (See table 3-18.)
33	Reserved	For LOGSA use only.
34-38	Materiel category code	Appropriate code per tables 3-24 through 3-28 when positions 8-31 contain an NSN or medical MCN with "C" in position 14; otherwise blank.
39-40	Reserved	For LOGSA use only.
41	Phrase code	(See table 3-31.) Position may contain "N," "T," "V," or blank when identifying number (positions 42-54) is same as positions 8-20.
42-54	Related identifying number	Latest or last related stock number for the item. Entry in positions 42-54 may be an NSN or NATO stock number or medical MCN.
55-65	Reserved	For LOGSA use only
66	Special requirements	Appropriate code per table 3-40 or blank.
67	Identifying number code	Identifies type of related number in position is 42-54 per table 3-18.
68	Related number status	Indicates whether the related number in positions 42-54 is active or inactive, as follows: a. D—related item in positions 42-54 is not active in Army supply system. b. Blank-related item in positions 42-54 is active is used must be recorded as active item in IDS.
69-73	Effective date	Year and Julian Day record becomes effective.
74-80	Reserved	For LOGSA use only.

## 2-23. Section II—I&S history

A file of all identifying numbers deleted from section I, part 1 and section II, part 2 of the I&S segment will be maintained in LOGSA. (See table 2-24 below.)

**Table 2-24**  
**Section II—I&S history**

Positions	Field legend	Remarks
1-3	Document identifier code	Positions 1 and 2 are always CZ. Position 3 is coded B to add new data, "H" to delete data.
4-5	Originator code	(See table 3-3.)
6-7	Reserved	For LOGSA use only.
8-20	Described stock number	Stock number assigned to the item
21-25	Reserved	For LOGSA use only.
26-38	Preferred stock number	The number representing the preferred item in an I&S group.
39-46	Reserved	For LOGSA use only.
47	Phrase code	(See table 3-31.)
48-60	Related stock number	Stock number of the related item.

**Table 2-24**  
**Section II-I&S history—Continued**

Positions	Field legend	Remarks
61-74	Reserved	For LOGSA use only.
75-79	Effective date	Year and Julian Day record becomes effective.
80	I&S deletion reason	Limited to code C as defined in table 3-17.

## 2-24. Section III—component history

A file of all identifying numbers deleted from the component segment will be maintained in LOGSA. (See table 2-25.)

**Table 2-25**  
**Section III—component history**

Positions	Field legend	Remarks
1-3	Document identifier code	Positions 1 and 2—always CI. Position 3 is used to add new data, H to delete data.
4-5	Originator code	(See table 3-3.)
6-7	Reserved	For LOGSA use only.
8-20	Stock number field	Stock number assigned to item.
21-32	Reserved	For LOGSA use only
33-36	Quantity	Quantity of the stock number shown in positions 48-60 that is contained in or needed to make or put together the stock number in positions 8-20.
37-38	Unit of measure	Appropriate code per table 3-46 that applies to the stock number in positions 48-60.
39-42	Card control number AMDF	Consecutive serial number assigned to show number of records applicable to the NSN in positions 8-20.
43	Last record code	Code E placed in last record of each group. Single records will contain this code.
44-46	Reserved	For LOGSA use only.
47	Phrase code	(See table 3-31.)
48-60	Related stock number	Stock number of the related item.
61-68	Reserved	For LOGSA use only.
69-73	Effective date	Year and Julian Day record becomes effective.
74-80	Reserved	For LOGSA use only.

## 2-25. Special instructions

*a.* Army activities requiring more information on an item deleted from the AMDF may contact the AMDF originator as determined by the originator code or the first position of the materiel category structure code.

*b.* The AMDF originator will delete erroneous records from the history segment as shown in tables 2-23 through 2-25 above.

*c.* LOGSA distributes corrective history segment transactions only to Army activities that have requested to be placed on distribution. LOGSA does not distribute changes based on internal transactions created as a result of update of the active AMDF.

*d.* If a Army user needs the current number history file, they may create one by resequencing the cross-reference history file.

## Section VII Component Segment

### 2-26. Provisions

This segment provides a way to record, maintain, and issue data for stock numbers assigned a phrase code “M” (breakdown into) or “Q” (fabricate or assemble).

## 2-27. Concept

a. LOGSA will file and retain in the AMDF and then distribute component records, as shown in table 2-26, for each Army used or managed NSN assigned phrase code M or Q.

b. The Army PICA/SICA ensures that if there is a materiel management action affecting an NSN in the component segment, the necessary transactions are prepared to adjust the component segment.

c. Army users may submit questions about the completeness or accuracy of component segment records to the AMDF originator.

**Table 2-26**  
**Component record procedures**

Positions	Field legend	Remarks
1-3	Document identifier code	Positions 1 and 2-always "CW."Position 3, "B" for add and "K" for delete.
-5	Originator code	(See table 3-3.)
6-7	Reserved	For LOGSA use only.
8-20	Stock number field	Stock number assigned to phrase code M or Q in position 47.
21-32	Reserved	For LOGSA use only.
33-36	Quantity	Quantity of stock number shown in positions 48-50 that is contained in or needed to make or put together the stock number in positions 8-20.
37-38	Unit of measure	Appropriate code for the stock number in positions 48-60.
39-42	Card control number	Number sequentially assigned to records (starting with "0001") for the stock number contained in positions 8-20.
43	Last record code	When a record contains an "E" in position 43 and "0001" in positions 39-42 for single record. Multiple records reflect "E" in position 43 only. Mandatory entry for last record.
44-46	Reserved	For LOGSA use only.
47	Phrase code	Phrase code M or Q, as appropriate.
48-60	Related stock number	Stock number related to the stock number in positions 8-20 assigned phrase code M or Q.
61-68	Reserved	For LOGSA use only.
69-72	Effective date	Year and Julian Day change notice is effective.
73-80	Reserved	For LOGSA use only.

## Section VIII

### Equivalent Item Segment

## 2-28. Functions

a. The Army PICA/SICA establishes logistics management data for each Army used or managed NSN that is equivalent to another in physical and performance characteristics, but that differs in unit quantity or unit of issue.

b. Many items in this segment are liquids that are available in different units of issue; for example, pint, gallon, or barrel.

## 2-29. Concept

a. LOGSA files, retains in the AMDF and distributes equivalent item segment records, as shown in table 2-27, for each Army used or managed NSN assigned phrase code Y.

b. The Army PICA/SICA ensures that if there is a materiel management action affecting an NSN in the equivalent item segment, the necessary transactions are prepared to adjust the equivalent item segment.

**Table 2-27**  
**Equivalent item record procedures**

Positions	Field legend	Remarks
1-3	Document identifier code	Positions 1 and 2-always CO. Position 3 is coded "B" for add, "K" for delete, and "S" for replace. Replace S action means a change in data except the stock number. If this stock number is to be changed, delete "K" and add "B" actions must be taken. When "K" is used, all fields except positions 3 and 76-78 must copy existing record.
4-5	Originator code	(See table 3-3 below.)
6-7	Reserved	For LOGSA use only.
8-20	Stock number field	Stock number for which the record is submitted.
21-29	Noun	Noun of the described stock number.
30-31	Unit-of-issue code	Code for the stock number in positions 8-20. This entry must be same as shown in positions 23-24 of item data record for that stock number.
32-33	Unit of measure	Code for the stock number in positions 8-20. This entry must be the same as that shown in positions 36-37 of the unit measurement quantity record.
34-44	Quantitative expression	Measurement quantity for the stock number in positions 8-20. Entry must be the same as that shown in positions 41-51 of the unit measurement quantity record.
45-46	Reserved	For LOGSA use only.
47	Phrase code	Code Y will be the only phrase code used in this segment.
48-60	Related stock number	Stock number of the item that has physical and performance characteristics the same as the item represented by the stock number in positions 8-10. Item differs only in the unit quantity or unit of issue.
61-62	Unit of issue for the related stock number	Unit of issue code for the stock number in positions 48-60. This entry must be the same as that shown in positions 23-24 of the item data record for that stock number.
63-64	Unit of measure for the related stock number	Unit of measure code for the stock number in positions 48-60. This entry must be the same as that shown in positions 36-37 of the unit measurement quantity record.
65-75	Quantitative expression for the related stock	Quantitative expression for the stock number in positions 48-60. This entry must be the same as that shown in positions 41-51 of unit measurement quantity record.
76-80	Effective date	Year and Julian Day the change notice is effective.

## Section IX

### AMDF Interrogation and Retrieval System (AIRS)

#### 2-30. AIRS

The AIRS was established to provide a means for retrieving or validating current and historical and logistics management data pertaining to Army managed or used items of supply.

#### 2-31. Concept

*a.* This system provides item identification and nonquantitative supply management data from the AMDF to authorized recipients of AMDF data. It is used on an as required pull basis to retrieve selected AMDF segments or a specific range of designated data elements. The system also has validation features that allow inputting, comparing, and updating previously retrieved data. Three types of inquiry processing services are available as shown below:

- (1) The AMDF segment inquiry.
- (2) The selected data inquiry.
- (3) The data element validation inquiry.

*b.* Army users of the AIRS will submit inquiries to LOGSA as shown in tables 2-28, 2-29, or 2-30. Users of AIRS must have an activity inquiry code established or recorded with LOGSA. A request to assign or confirm this code will be sent to LOGSA by a responsible U.S. Government activity. The request must cite the complete address, including the attention line of the participating activity and a point of contact (POC) in the event additional information is required. Also, the request will be submitted by memorandum or message to USAMC Logistics Support Activity,

ATTN: AMXLS-ML, Redstone Arsenal, AL 35898-7466. On receipt of request/confirmation for activity code, a user's manual describing the system in detail will be sent to the user.

c. Requests for assignment of an activity inquiry code to a friendly foreign government or private contractor must be authorized by a U.S. Government agency. The authorizing agency will be accountable for suspension or cancellation of the assigned code as circumstances warrant, such as national security or the expiration of a Government contract. For control purposes, the first position of the activity code will cite a dollar (\$) sign for foreign governments and a pound (#) sign for private contractors.

d. Activities wanting to use DDN as the return media for inquiry replies must coordinate with LOGSA and provide LOGSA with their DDN routing identifier code.

e. LOGSA processes AIRS transactions for those contractors acting as Army agents whose contract states: Information furnished from the AMDF Interrogation and Retrieval System is provided as Government furnished material (GFM).

**Table 2-28**  
**AMDF segment inquiry—CQQ input record**

Positions	Field legend	Remarks
1-3	Document identifier code	Enter CQQ.
4-5	Reserved	For LOGSA use only.
6-7	Activity inquiry code	LOGSA assigned or verified to identify requester.
8-44	Identifying number	
	8-13 line item number	Identifying number code (position 45) equals "H." A LIN may be used to query major item group, item data segment, or SB 700-20 segments.
	8-15 Department of Defense Ammunition Code	Apply code G to position 45. The DODAC may query the I&S DODAC group, section III, part 2 only.
	8-16 National item identification number	Apply code B to position 45. The NIIN may query all segments except major-item group and DODAC group.
	8-20 NSN/NATO stock number	Apply code A to position 45. NSN may query all AMDF segments except major item group and DODAC group.
	8-20 Management control number	Apply code D to position 45. Only medical MCNs are available for interrogation. MCN may query all segments except major item group and DODAC group.
8-44	Commercial and Government entity code/NATO supply code for manufacturer (NSCM) and reference number.	Apply code C to position 45. May be used to query all segments except major item group and DODAC group. CDQ/CDR reply record will identify matched NSN in any reply segment.
	8-12 commercial and Government entity code/NATO supply code for manufacturer	Must be used with and precede reference number.
	13-44 reference number	Enter left to right. Must be used with and follow CAGEC or NSCM.
45	Identifying number code	Appropriate code per table 3-18.
46-48	Reserved	For LOGSA use only.
49-68 (See note 1)	AMDF segment indicator	Enter a numeric code 1 for each segment required. A 2 in position 49 and/or 50 will output ID and II segments in redesigned format and is reserved for SDS. XX in positions 49-50 is reserved for SAILS.
49	Item data	(See table 2-1.)
50	Item identification	(See table 2-5.)
51	Packaging	(See tables 2-6 through 2-10.)
52	Freight	(See tables 2-11 and 2-12.)
53	SB 700-20	Only segments with current publication dates may be retrieved.
54	I&S cross-reference, AN I&S, section I, part 1	(See table 2-13.)
55	I&S group (order of use) I&S, section 1, part 2	(See table 2-14.)
56	Major item cross-reference, I&S, section II, part 1	(See table 2-19.)
57	Major item group, I&S, section II, part 2	(See table 2-20.)

**Table 2-28**  
**AMDF segment inquiry—CQQ input record—Continued**

Positions	Field legend	Remarks
		(Query only with LIN)
58	Cross reference, NSN to DODAC, I&S, section III part 1	(See table 2-21.)
59	DODAC group, I&S, section III, part 2	(See table 2-22.) LOGSA generated from cross-reference NSN to DODAC. Query only with DODAC.
60	Item data history section 1, (cross-reference previous number to current number)	(See table 2-23.) Relates former number to current or last identifying number.
61	Item data history section 1, (current number to all previous numbers)	(See table 2-23.) Relates current or last identifying number to all former numbers assigned to basic item.
62	I&S history, section II	(See table 2-24.) Provides historic data from I&S cross-reference (section 1, part 1) and I&S major item cross-reference (sec II, part 1).
63	Component history, section III	(See table 2-25.) Provides historic data from component segment.
64	Component item	(See table 2-26.)
65	Equivalent item	(See table 2-27.)
66	Reference number data	Provides manufacturer code/reference number data for Army managed/used NSNs.
67	Special Army data	(See table 2-67.)
68	Medical user data	(See table 2-68.)
69-72	Reserved	For LOGSA use only.
73	Inquiry reason code	Appropriate code per table 2-31.
74	Inquiry output media code	Appropriate code per table 2-32.
75	DLSC screening designator	D designates that DLSC FLIS will be screened if requested item data or section I history segments are not resident in the AMDF.
76	Reserved	For LOGSA use only.
77-80	Julian Day	Last number of calendar year followed by three numerical calendar days.

Notes:

One or multiple segments may be obtained by applying a numeric 1 in any one or a combination of fields in positions 49-68. A range of identifying type numbers may be interrogated: however, a reject will result if the type of number interrogation is not equal to the segment requested.

**Table 2-29**  
**CSC/CSL-Selected data inquiry record**

Positions	Field legend	Remarks
1-3	Document identifier code	Always "CSC" when unit of measure, decimal locator, and quantity are required in reply. Always "CSL" when those data elements are not required in reply.
4-5	Activity inquiry code	LOGSA assigned or verified to identify requesters.
6	Inquiry output media code	Appropriate code per table 2-32.
7	Batch identification	A requester assigned alpha or numeric code used with "CSL" only for control purposes. Not used by LOGSA but is perpetuated into position 64 of replies.
8-20	Identifying number NSN/NATO stock number Management control number medical	
12-20	National item identification number	
21-80	Reserved	For LOGSA use only.

**Table 2-30**  
**CSC/CSL—Data element validation inquiry**

Positions	Field legend	Remarks
1-3	Document identifier code	Always CSC when unit of measure, decimal locator, and quantity are required in reply. Always CSL when those data elements are not required in reply.
4-5	Activity inquiry code	LOGSA assigned or confirmed to identify requester.
6	Inquiry output media code	Appropriate code per table 2-32.
7	Batch identification	A requester assigned alpha or numeric used only with DIC CSL for control purposes.
8-20	Identifying number	
8-20	NSN/NATO stock number or Management control number medical	
12-20	National item identification number	
21-22	Unit of issue	See table 3-44
23-28	Line item number	Blank or LIN identified in SB 700-20.
29-36	Nomenclature	Noun nomenclature
37-41	Materiel category structure code	(See tables 3-24 through 3-28.)
42	Reserved	
43	Reportable item control code	Blank or appropriate code per table 3-35.
44	Accounting requirements code	(See table 3-1.)
45	Recoverability code	Blank or appropriate code per table 3-34.
46	Phrase code	Blank or appropriate code per table 3-31.
47-60	Reserved	For LOGSA use only.
61	Essentiality code	(See table 3-14.)
62-63	Unit of measure code	Appropriate code per table 3-46 or asterisks when DIC is CSC. Field is blank when DIC is CSL.
64	Decimal locator code	Appropriate code per table 3-11 or asterisks when DIC is CSC. Field is to be blank when DIC is CSL.
65-72	Quantity	When DIC is CSC, this field will contain the unit of measure quantity (whole number or decimal fraction) for the unit of issue or asterisks.
	65-67	When DIC is CSL, this field will contain SOS code or asterisks.
	68-72	When DIC is CSL and SOS code is contained in positions 65-67, enter asterisks.
73	Price signal code	(See table 3-33.)
74-80	Unit price	Estimated or standard price.

## 2-32. AMDF segment inquiry—CQQ

This type inquiry is used to retrieve specific segments from the AMDF, as shown in table 2-28 above. Single or multiple segments may be obtained by applying a numeric 1 in any one or a combination of fields in positions 49 through 68. A range of identifying type numbers may be interrogated; however, a reject will result if the type of number interrogated is not equal to the segment requested. Tables 2-31 and 2-32 provide explanation of codes identified in table 2-28.

**Table 2–31**  
**Inquiry reason codes**

Code	Remarks
A	Physical inventory.
B	Location audit.
C	File reconciliation.
D	Retrograde identification.
E	Materiel received, no record stock number.
F	Prepositioned receipt document, no record stock number.
G	Verification of stock number in publications.
H	Stock record upgrade.
J	Substitute item, no record stock number.
K	Verification of source of supply.
L	Requisition.
M	Maintenance.
N	Contingency planning.
P	Not classified.
R	Screening manufacturers code and part number without an MCN assigned.
S	Screening manufacturers code and part number with an MCN assigned.
T	Reserved for major subordinate command audits.
V	Nonservice user code.

**Table 2–32**  
**Inquiry output media codes**

Code	Remarks
A	DDN transmittal.
C	18-track, 38,000 BPI, labeled tape cartridge.
D	18-track, 38,000 BPI, unlabeled tape cartridge.
9	9-track, 1600 BPI, phase encoded odd parity tape, labeled.
X	9-track, 1600 BPI, phase encoded, odd parity tape, unlabeled.
Y	9-track, 6250 BPI, group coded, odd parity tape, unlabeled.
Z	9-track, 6250 BPI, group coded, odd parity tape, labeled.

### **2–33. CSC/CSL–selected data inquiry**

This type of inquiry is used to retrieve the data elements identified in the CSR-selected data inquiry replies. An NIIN, NSN, or MCN is the only type of identifying number that may be inputted. The format for submitting CSC/CSL inquiries is shown in table 2-29

### **2–34. CSC/CSL-data element validation inquiry**

This type of inquiry is used to validate one or more data elements submitted by the requester. Asterisks may be submitted in those fields that are not to be validated; however, all positions within a data field must be asterisked. Positions 1-3 (DIC), 4-5 (activity), 6 (output media), and 8-20 (identifying number) are required control fields and must contain data. Format and field conditions are shown in table 2-30.

### **2–35. AMDF segment record replies**

These records are one type of reply returned to inquiring activities in response to AMDF segment CQQ inquiries. They are output as a result of a match of the identifying number in the inquiry to the actual or related number in the AMDF

segment requested. They can be identified by the DIC and can be distinguished from AMDF monthly broadcast data by the activity code of the inquiring activity in positions 6-7. The record format is shown in table 2-33.

## 2-36. Reference number segment replies

LOGSA provides replies resulting from a match of the submitted NSN/NATO stock number as shown in table 2-34.

**Table 2-33**  
**AMDF segment reply record**

Positions	Explanation
1-3	Document identifier code. (See table 3-13.)
4-5	Originator.
6-7	Activity inquiry code.
8-80	Appropriate AMDF segment data.

**Table 2-34**  
**Reference number segment reply record**

Positions	Field legend	Remarks
1-3	Document identifier code	(CAR).
4-5	Blank	
6-7	Activity inquiry code	Perpetuated from CQQ
8-20	NSN/NATO stock number	Perpetuated from CQQ.
21-24	Blank	
25-61	Commercial and Government entity code/NATO supply code for manufacturer and reference number	From reference number (REFNO) file.
25-29	CAGEC/NSCM	
30-61	Reference number	
62-63	Blank	
64	Reference number variation code (RNVC)	From REFNO file.
65	Blank	
66	Reference number category code (RNCC)	From REFNO file.
67	Blank	
68	Document availability code	From REFNO file.
69	Blank	
70	Reference number justification code	From REFNO file.
71	Blank	
72-73	Reference number action activity code	From REFNO file.
74-77	Blank	
75-80	Package sequence number	A01 to Z99.

## 2-37. AMDF message records

LOGSA provides replies to AMDF segment inquiries—CQQ, for identifying numbers whose status has changed. These replies are equated to particular segments by interpreting the unique DIC applied. When these records are used to identify NSN changes (including FSC changes), the appropriate AMDF segment records will also be furnished for the current NSN, if available. A record format is shown in table 2-35. Table 2-36 identifies appropriate inquiry message codes.

**Table 2–35**  
**AMDF message record**

Positions	Field legend	Remarks
1-3	Document identifier code	Identifies segment
1-2		Always CQ.
3		A, B, C, E, F, G, H, J, K, L, M, N, P, R, T, W, X, Y, or Z.
4-5	Reserved	For LOGSA use only.
6-7	Activity inquiry code	Identifies requester.
8-44	Identifying number	Created from or cross-reference to input.
8-13	Line item number	
8-15	Department of Defense Ammunition Code	
8-20	NSN/NATO stock number	
8-20	Management control number	
8-44	Commercial and Government entity code/NATO supply code for manufacturer and reference number	
8-12	Commercial and Government entity code	
8-12	NATO supply code for manufacturer	
13-44	Reference number-entered left to right	
45-48	Julian Day	Created from inquiry
49-51	Reserved	For LOGSA use only.
52-64	Related NSN	Blank or appropriate entry required by the phrase code in position 68.
65-67	Reserved	For LOGSA use only.
68	Phrase code	Blank, A, C, D, P, Q, or R per table 3-31.
69-72	Current FSC	Inquiry FSC in positions 8-11 did not match AMDF.
73-79	Reserved	For LOGSA use only.
80	Inquiry message code	Appropriate code per table 2-36.

**Table 2–36**  
**Inquiry message record**

Code	Remarks
A	Number interrogated is matched to a record in the AMDF, but requested segment is not recorded.
B	The inquiry matched a deleted stock number in the item data history file.
C	The inquiry NSN matched the AMDF by NIIN but was unmatched by FSC. (Current FSC will be applied to positions 69-72 of message record.)
E	An inquiry containing reference number or MCN is unmatched to an NSN.
F	A portion of an AMDF segment inquiry is invalid because one of the segments interrogated does not apply to the type of identifying number used.
G	Freight segment contains material safety data sheet (MSDS) indicator code only. Freight or transportation data is not recorded.
V	Requested segment not recorded in nonservice user master data record.
2	Number interrogated is not recorded in the AMDF.
3	Number interrogated matched a deleted stock number in the item data history file. Associated reference number is not recorded in the Army reference number file.

## 2-38. CDQ/CDR inquiry reply

This record is provided as an interim or follow-on response. The CDQ is sent in response to an AMDF Segment CQQ Inquiry or Selected Data Inquiry/Data Element Validation Inquiry CSC/CSL. It is created by LOGSA by interpreting and reformatting provisioning screening replies received from FLIS which identify the FLIS status of an NSN or reference number not recorded in the AMDF. The CDR is sent in response to only CQQ inquiries which are processed against the Army reference number file. A record format is shown in table 2-37. Reply message codes are identified in table 2-38.

## 2-39. LOGSA/CDB tailored reply

LOGSA will provide a LOGSA/CDB tailored reply in reference to each special CQQ inquiry submitted by a CCSS user command as shown in table 2-39. The appropriate reply message codes are listed in table 2-38.

**Table 2-37**  
**CDQ/CDR reply record**

Positions	Field legend	Remarks
1-3	Document identifier code	CDQ/CDR.
4-5	Originator	Constant AN identifies LOGSA as activity reformatting DLSC <u>FLIS</u> reply
6-7	Activity inquiry code	Identifies requester.
8-44	Identifying number	Created from originator's inquiry.
8-20	NSN/NATO stock number or	
8-12	Commercial and Government entity code/ NATO supply code for manufacturer and	
13-44	reference number	
45-46	Unit of issue	From FLIS CMD. Blank on CDR.
45-47	Blank	
48-50	Source of supply, PICA, or other service/agency user	Three-character codes identify SOS, PICA; three service/agency user service/agency user codes identify other military service users; DF-Air Force, DM-Marines, DN-Navy. Blank on CDR.
51	Reserved	For LOGSA use only.
52	Inquiry output media code	Created from original inquiry.
53	CDQ/CDR reply message code	(See table 2-38.)
54	Controlled inventory item code	Blank on CDR.
55	Shelf life code	Blank on CDR.
56-68	Related/replacement NSN	Matched number to degree indicated by position 53 message code or replacement NSN when message code indicates replacement.
69-70	Unit of issue of related NSN	Blank on CDR.
71-73	Source of supply/PICA, or other service/agency user of related/replacement NSN	Three character codes identify SOS, PICA; three asterisks signify civil users; 2-character codes identify other military service users; DF-Air Force, DM-Marines, DN-Navy. Blank on CDR.
74	Controlled inventory item code	Blank on CDR.
75	Shelf life code of related NSN	Blank on CDR.
76	CDQ/CDR reply message code	Appropriate code per table 2-38.
77-80	Julian Day	Created from original inquiry.

**Table 2-38**  
**LOGSA/CDB/CDQ/CDR reply message codes**

Code	Remarks
1	NSN is valid. Army is recorded user in FLIS.
2	NSN is valid. Navy is recorded user in FLIS, Army is not.
3	NSN is canceled or replaced, replacement is in positions 56-68.
4	NSN is valid. Air Force is a recorded user in FLIS, Army is not.
5	NSN is valid, but there are no recorded users in FLIS.
6	
7	
8	NSN is canceled or used, replacement is in positions 56-68.
9	NSN is canceled or duplicated, replacement is in positions 56-68.
A	Association match. The input matches an NSN in the FLIS files by a CAGEC (through a corporate association relationship code) other than the CAGEC submitted. Association matches will be considered to be the same degree of match as possible or partial matches. FLIS output DIC was KMA.
B	Exact match. All CAGEC or NSCM and reference numbers submitted matched a single NSN to which there were no additional or fewer reference numbers credited than those submitted. FLIS output DIC was KME.
C	Possible match. The input matched an NSN in the FLIS files, but the match did not meet the FLIS RNCC or RNVC criteria required to produce either an actual or portable match condition. FLIS output DIC was KMG.
D	Actual match. The input matched only one NSN in the FLIS files under the rules of the FLIS RNCC or RNVC validation criteria. No probable matches were found and no possible matches found will be output. FLIS output DIC was KMH.
E	Partial match. CAGEC and reference numbers submitted match one or more NSNs to which there were either additional or fewer reference numbers credited than those submitted. FLIS output DIC was KMP.
F	Probable match. The input matched more than one NSN in the FLIS files under the rules of the FLIS RNCC or RNVC validation criteria. An actual match was not found and no possible matches found will be output. FLIS output DIC was KMQ.
G	Matches one or more NSNs in the Army REFNO file. Type of match unknown.
H	Matches one or more NSN in the Army REFNO file. Management data for matching NSN, positions 56-68, is not available. This code is applied only to replies to special CQQ inquiries.
N	No match. The input did not match an NSN in the FLIS files. The FLIS output DIC was KNR.
P	This item, as a result of a standardization study, is not authorized for procurement. A preferred, standard item, if any exists, is shown in positions 56-68.
S	Security classified. The input matched a security-classified item. No additional file data on the NSN will be output. FLIS output DIC was KMS.
T	Canceled without replacement.
Z	Segment B not available. Reference number and CAGE code has been applied to 20 records.

**Table 2-39**  
**LOGSA/CDB tailored reply**

Positions	Field legend	Remarks
1-3	Document identifier code	LOGSA/CDB
4-5	Originator	Constant AN identifies LOGSA.
6-7	Activity inquiry code	Identifies requester.
8-44	Identifying number 8-20 NSN/NATO stock number or 8-44 Commercial and government entity code/NATO supply code for manufacturer and reference number 8-12 CAGEC/NSCM 13-44 reference number	Created from originator's inquiry.
45-46	Unit of issue	From IDS or FLIS.
47	Inventory category code	From IDS.
48-50	Source of supply code	From IDS or FLIS.

**Table 2-39**  
**LOGSA/CDB tailored reply—Continued**

Positions	Field legend	Remarks
51	Special control item code	From IDS.
52	Materiel category structure code, first position.	Identifies materiel category and Army inventory manager from IDS or FLIS.
53	LOGSA/CDB reply message code.	Appropriate code per table 2-38.
54	Controlled inventory item code	From IDS or FLIS.
55	Shelf life code	From IDS or FLIS.
56-68	Related NSN	
69-72	Effective date	From IDS or FLIS.
73	Price signal code	From IDS or FLIS.
74-80	Unit price	From IDS or FLIS.

## 2-40. Selected data inquiry and data element validation inquiry reply—CSR

LOGSA provides a selected data inquiry reply—CSR, for each CSC/CSL -selected data inquiry if the queried NSN is resident on the ACLDB. The CSRs are also provided in response to CSC/CSL data element validation inquiries when one or more fields, submitted for validation, do not match the AMDF. A coded message will be provided when either of the above inquiries contains an inactive, invalid, changed, or unmatched NSN. The output record format is shown in table 2-40. Table 2-41 explains the appropriate message reply codes to be used in cc 47.

**Table 2-40**  
**Selected data inquiry and data element validation inquiry reply—CSR**

Positions	Field legend	AMDF segment
1-3	Document identifier code CSR (for positions 1-3, 4-5, 6-7, 8-20 see note 1).	
4-5	Activity inquiry code (created from input)	
6-7	Unit of issue (perpetuated from validation inquiry)	
8-20	Identifying number 8-20 NSN/NATO stock number 8-20 Management control number (medical)	
21-22	Unit of issue (current AMDF)	Item data
23-28	Line item number or blank	Item identification
29-36	Nomenclature	Item identification
37-41	Materiel category structure	Item identification
42	Reserved	
43	Reportable item control code	Item data
44	Accounting requirements code	Item data
45	Recoverability code	Item data
46	Phrase code	Item data
47	Inquiry message reply code	(See table 2-41.)
48-60	Related/replacement NSN	History
61	Essentiality code	Item data (UMQ)
62-63	Unit of measure (blank when DIC is CSL).	Item data (UMQ)
64	Decimal locator on CSC replies	Item data (UMQ)
64	Batch identification on CSL replies created from position 7 of input.	
65-72	Quantity (when inquiry DIC is CSC)	Item data (UMQ)
	65-67 SOS (when inquiry DIC is CSL)	Item data

**Table 2-40**  
**Selected data inquiry and data element validation inquiry reply-CSR—Continued**

Positions	Field legend	AMDF segment
	68-72 blank (when inquiry DIC is CSL)	
73	Price signal code	Item data
74-80	Unit price	Item data

Notes:

When data are not available in the AMDF for any given data element, the position for that element will be left blank.

**Table 2-41**  
**Inquiry message reply codes**

Code	Remarks
E	Inquiry output media code, position 6 of CSC/CSL, is invalid.
F	Inquiry output media code A, designating a DDN reply requirement, was included in CSC/CSL interrogation; however, activity failed to provide DDN routing code through required prior coordination with LOGSA.
N	This code identifies a system generated count notification record. This record identifies the input record count, the number of matched records consumed, the number of CSR replies being forwarded, the number of reject replies being returned, and the total number of records being returned.
2	Number interrogated does not exist in AMDF or AMDF record does not include required management data. A FLIS screening request will be generated.
3	Number interrogated has been changed. Replacement number in positions 48-60 is active in AMDF. Management data included apply to replacement numbers.
4	Number interrogated is invalid. Range of values applied are not appropriate.
5	Number interrogated is inactive in Army system. It has been deleted or canceled without replacement. A FLIS screening request will be generated.
6	Number interrogated has been canceled with replacement but replacement number in positions 48-60 does not exist in AMDF or AMDF record does not include required management data. A FLIS screening request will be generated for the replacement NSN.
7	Number interrogated is inactive with no replacement or is not found on LOGSA's latest AMDF.

## 2-41. CSC/CSL count notification record

This record will be provided to inquiring activities as a portion of their replies to CSC/CSL inquiries. One record will be provided to a given requester for each type of output media being forwarded. It will be provided in the same media as the inquiry replies and will be included as part of the CSR count and the total count (See table 2-42).

## 2-42. Inquiry reject reply

- a. LOGSA provides an inquiry reject reply to the originator of each rejected or unprocessable inquiry by the medium designated in the input record.
- b. If the medium designated in the inquiry is invalid or omitted, LOGSA will provide a list.
- c. LOGSA provides an inquiry reject reply that is identical to the invalid or unprocessable inquiry with the following exceptions:
  - (1) LOGSA applies originator code "AN" to positions 4-5.
  - (2) LOGSA applies an inquiry reject reason notification code as shown in table 2-43.

**Table 2–42**  
**CSC/CSL count notification record**

Positions	Field legend	Value
1-3	DIC	CSR
4-5	Activity inquiry code	Identifies requester
6	Reserved	Blank
7-16	Field name	CSC/CSL IN
17	Reserved	Blank
18-22	Total inquiry input count	0 through 99,999
23	Reserved	Blank
24-28	Field name	Match
29	Reserved	Blank
30-34	Total matched record count	0 through 99,999
35	Reserved	Blank
36-38	Field name	CSR
39	Reserved	Blank
40-44	Total CSR reply count	0 through 99,999
45-46	Reserved	Blank
47	Inquiry message reply count	N
48-49	Reserved	Blank
50-52	Field name	REJ
53	Reserved	Blank
54-58	Total reject count	0 through 99,999
59-60	Reserved	Blank
61-65	Field name	Total
	Reserved	Blank
67-71	Total reply count	0 through 99,999
72-73	Reserved	Blank
74-78	Field name	MEDIA
79	Reserved	Blank
80	Inquiry output media code	(See table 2-32.)

**Table 2–43**  
**Inquiry reject reason/notification codes**

Code	Remarks
A	Invalid DIC to this subsystem. Only acceptable DICs are CQQ, CSC, or CSL.
B	Identifying number (CQQ, positions 8-44, CSC/CSL, positions 8-20) is invalid or identifying number code in position 45 of CQQ does not equal the identifying number.
C	AMDF segment inquiry CQQ segment designator field is either totally blank or contains other than a 1 or 2 in positions 49-50 or other than 1 in positions 51-66.
D	AMDF segment CQQ inquiry contains other than a valid inquiry reason code in position 73.
E	Inquiry output media code is invalid. Improper value is applied to position 74 of CQQ.
F	Inquiry output media code A designated DDN reply requirement; however, requester failed to provide DDN routing identifier code to LOGSA.
G	Submittal contains invalid data elements (for example, manufacturer's code) or contains unauthorized symbols, letters, numerals, or blank conditions.

**Table 2-43**  
**Inquiry reject reason/notification codes—Continued**

Code	Remarks
H	The provisioning screening reply furnished by FLIS to LOGSA is too large for DDN and is being mailed. The transaction package from LOGSA will be delayed.
J	Item is restricted to limited distribution. Contact class manager for assistance.
K	Submitted CAGEC/NATO commercial and Government entity code canceled without replacement.
L	Submitted NIIN has not been assigned to a Federal item identification.
V	Identifying number is other than NSN/NIIN/CAGEC/REFNO or the IDS has not been requested. (See note 1.)

Notes:

Applies only to CQQ inquiry with reason code "V".

## Section X

### AMDF Tailored Distribution System

#### 2-43. Overview

a. The Army users of the AMDF requiring monthly broadcasts of any of the segments authorized by paragraph 1-8b, except the hazardous material data segment, will use the AMDF tailored distribution system (ATDS) to maintain a local computer file of individual NSNs.

b. ATDS users must have a user activity code (AC) established or recorded with LOGSA. A request to assign or confirm the code will be sent to LOGSA by a responsible U.S. Government activity. The request will cite the complete address, including the attention line of the participating activity, and a POC if additional information is required. Submit the request by memorandum or message to USAMC, Logistics Support Activity, ATTN: AMXLS-ML, Redstone Arsenal, AL 35898-7466. On request or confirmation of activity codes, an ATDS user's manual will be sent to each user.

c. Government activities that request LOGSA assign an activity code to a non-U.S. Government activity must authorize them and must be accountable for suspending or canceling the code when appropriate.

d. Activities wanting to use DDN for broadcasts from LOGSA will provide LOGSA their DDN RIC.

e. ATDS users submit a stock number registration record as shown in table 2-44 for each NSN in which it has an interest.

f. LOGSA provides logistics management data for each submitted stock number registration record for which the NSN is resident on the AMDF as shown in tables 2-1, 2-3, 2-5 through 2-14, and tables 2-19 through 2-27.

g. LOGSA registers in the stock number user file (SNUF) each NSN submitted in a stock number registration record. For each NSN not resident in the AMDF, LOGSA will query the FLIS.

h. For each response received from the FLIS which shows current Army interest, LOGSA provides a response to the ATDS user as specified in f above.

i. For each response received from the FLIS that shows no current Army interest, LOGSA deletes the NSN from the SNUF and provides a response as shown by table 2-45. The FLIS status message code and the clear text phrase code cited in this table is explained in tables 2-46 and 2-47.

j. Monthly, LOGSA provides any changes for each NSN registered on the SNUF, as specified in f above.

k. For each SNUF reconciliation record that contains logistics management data different from that on the AMDF, LOGSA provides data to the ATDS user as specified in f above.

**Table 2-44**  
**Stock number registration record**

Positions	Field legend	Explanation or instruction
1-3	Document identifier code	Always CTD.
4	Input stock number transaction code	Use "A," "B," or "D." (See table 2-44.)
5-7	Reserved	For LOGSA use only.
8-20	Stock number	Left justify.
21	Reserved	For LOGSA use only.
22	Identifying number code	Identifies stock number in positions 8-20. Use "A" for NSN. Use "D" for management control number. Use "M" for Army control.
23-24	Reserved	For LOGSA use only.

**Table 2-44**  
**Stock number registration record—Continued**

Positions	Field legend	Explanation or instruction
25-27	User activity code	Use the 3-digit activity code assigned to the user by LOGSA.
28-32	Reserved	For LOGSA use only.
33-37	Date	Julian Day the transaction is prepared.
38-80	Reserved	For LOGSA use only.

**Table 2-45**  
**DLSC interrogation results**

Positions	Field legend	Remarks
1-3	Document identifier code	Always CTR
4-5	DLSC status message code	Identifies status of stock number on FLIS records. (See table 2-46.)
6-7	Reserved	For LOGSA use only.
8-20	NSN	Stock number of SNUF add action.
21-24	Reserved	For LOGSA use only.
25-27	Activity code	Activity code of SNUF add action.
28-31	Reserved	For LOGSA use only.
32	Transmission media code	Transmission media code recorded for the activity code in the ATDS Master Address File.
33-45	Replacing NSN	Provided when positions 4-5 are 02. Otherwise, this will be blank.
46	Reserved	For LOGSA use only.
47-52	Processing date	Julian Day FLIS interrogation results were processed by ATDS. (When positions 4-5 is 08, positions 47-59 will be the second replacing NSN.)
53-56	Reserved	For LOGSA use only.
57-80	Clear text phrase	The clear text phrase is based in positions 4-5. (See table 2-47.)

**Table 2-46**  
**DLSC status message code**

Code	Remarks
02	Canceled, replaced by another NSN.
03	Canceled, no replacement.
05	Matched non-Army used NSN.
06	Stock number did not match.
07	Nuclear Regulatory Commission controlled item.
09	Security item.

**Table 2-47**  
**Clear text phrase-ATDS**

Message	Remarks
Canceled-replaced by	Delete user interest in canceled NSN. Establish user interest in the SNUF for replacing NSN shown in positions 33-45, if required.
Canceled-no replacement	Validate requirement. If valid, request reactivation of canceled NSN. If no requirement exists for canceled NSN, delete user interest from the SNUF.
Other than Army NSN	NSN is valid but is a DLA/GSA/other service managed, non-Army used item. Validate requirement and request Army interest be established. If requirement is not valid, delete user interest from the SNUF.
NSN did not match	NSN submitted is not a good stock number. User registration has not been established in the SNUF. Re-identify requirements and delete the NSN from local records. If after local research the NSN appears to be valid, refer the problem to the Army wholesale manager for the FSC of the item.
AEC controlled item	Management data are not available from FLIS on this item. Validate requirement and request Army interest be established. If requirement is not valid, delete user interest from the SNUF.
Security item	Management data not available from FLIS on this NSN. Validate requirement and request Army interest be established. If requirement is not valid, delete user interest from the SNUF.

## 2-44. Input procedures

*a. Stock number registration record.* ATDS users submit stock number registration record, as shown in table 2-44 above, for each NSN of local interest. The input stock number transaction code in this table is explained in table 2-48.

*b. SNUF reconciliation record.* ATDS users submit a SNUF reconciliation card, as shown in table 2-49, for each NSN on the user's file that contains data different from that on the AMDF.

*c. User interrogation record.* To request SNUF data from LOGSA, ATDS users submit a user interrogation record, as shown in table 2-50. The transmission media code in this table is further explained in table 2-51.

**Table 2-48**  
**Stock number registration transaction codes**

Code	Remarks
A	Add to SNUF. Provide full range of data based on segment registration in the ATDS master address file.
B	Add to SNUF. No data returned now. Future normal monthly data changes will be provided.
D	Delete from SNUF. No data returned.

**Table 2-49**  
**SNUF file reconciliation record**

Positions	Field legend	Explanation or instruction
1-3	Document identifier code	Always "CTD."
4	Input transaction code	Always "R."
5	Transmission media code	Requested mode of output from LOGSA. Use "A," "8," "9," or "0." (See table 2-51.)
6-7	Reserved	For LOGSA use only.
8-20	Stock number	Enter stock number. Left justify.
21	Reserved	For LOGSA use only.
22	Identifying number code	Identifies stock in positions 8-20. Use "A" for NSN. Use "D" for management control number.
23-24	Reserved	For LOGSA use only.
25-27	User activity code	Use the 3-digit activity code assigned to the user by LOGSA.
28-32	Reserved	For LOGSA use only.
33-37	Preparation date	Julian Day transaction is prepared.
38-39	Unit of issue	Enter 2-position code, as prescribed in table 3-44, currently recorded in the user database.

**Table 2-49**  
**SNUF file reconciliation record—Continued**

Positions	Field legend	Explanation or instruction
40	Materiel category code	Enter 1-position code identifying stock number manager (first position of materiel category structure code), as prescribed in tables 3-24 through 3-28 currently recorded in the user database.
41-43	Source of supply	Enter 3-position code identifying source of supply, as specified in AR 725-50, currently recorded in the user database.
44	Demilitarization code	Enter 1-position code denoting degree of demilitarization action required, as specified in DOD 4160.21-M-1, currently recorded in the user database.
45	Fund code	Enter 1-position code, as specified in table 3-15 currently recorded in the user database.
46	Essentiality code	Enter 1-position code, as specified in table 3-14 currently recorded in the user database.
47	Reportable item control code	Enter 1-position code, as specified in table 3-35 currently recorded in the user database.
48	Accounting requirements code	Enter 1-position code, as specified in table 3-1 currently recorded in the user database.
49	Shelf life code	Enter 1-position code, as specified in table 3-36 currently recorded in the user database.
50	Special control item code	Enter 1-position code, as specified in this chapter, currently recorded in the user database.
51	Controlled inventory item code	Enter 1-position code, as specified in table 3-9, recorded in the user database.
52	Acquisition advice code	Enter 1-position code, as specified in table 3-2, currently recorded in the user database.
53	Air eligible category code	Enter 1-position code, as shown in table 3-6, currently recorded in the user database.
54	Inventory category code	Enter 1-position code, as specified in table 3-19, currently recorded in the user database.
55	Logistic control code	Enter 1-position code, as specified in this chapter, currently recorded in the user database.
56	Phrase code	Enter 1-position code, as specified in table 3-31, currently recorded in the user database.
57	Recoverability code	Enter 1-position code, as specified in table 3-34, currently recorded in the user database.
58	Special requirements code	Enter 1-position code, as specified in this chapter, currently recorded in the user database.
59-60	Supply categories of materiel code	Enter 2-position code, as specified in table 3-42
61	Price signal code	Enter 1-position code, as specified in this chapter, currently recorded in the user database.
62-68	Unit price	Enter unit price as recorded in the user database. Right justify. Enter zeros to fill field.
69	Packaging indicator	Enter "Y" if packaging data are recorded in the user files. Enter "N" if packaging data are not recorded in the user files. Blank will be treated as no interest, and packaging segment data will not be provided.
70	Freight indicator	Enter "Y" if freight data are recorded in user files. Enter "N" if freight data are not recorded in the user files. Blank will be treated as no interest and freight data will not be provided.
71	Item identification indicator	Enter "Y" if item identification data are recorded in the local files. Enter "N" if item identification data are not recorded in local files. Blank will be treated as no interest and item identification data will not be provided.
72-80	Reserved	For LOGSA use only.

**Table 2-50**  
**User interrogation record**

Positions	Field legend	Remarks
1-3	Document identifier code	Always CTD.
4	Transaction code	Always I.
5	Transmission media code	Requested mode of output from LOGSA. Use A, 8, 9, or 0. (See table 2-51.)
6-7	Reserved	For LOGSA use only.
8-20	Stock number	Enter stock number. Left justify.
21	Reserved	For LOGSA use only.
22	Identifying number code	Identifies stock number in positions 8-20. Use "A" for national stock number. Use "D" for management control number.
23-24	Reserved	For LOGSA use only.
25-27	User activity code	Use the 3-digit activity code assigned to the user by LOGSA.
28-32	Reserved	For LOGSA use only.
33-37	Preparation date	Julian Date transaction is prepared.
38-80	Reserved	For LOGSA use only.

**Table 2-51**  
**ATDS transmission media codes**

Code	Remarks
A	DDN
9	9-track, 1600 BPI, phase encoded odd parity tape.
0	9-track, 6250 BPI, phase encoded odd parity tape.
1	38000 BPI adaptive cross parity (AXP) encoded tape cartridge.

## 2-45. Output record data

*a. Recorded users of a specific.* NSN. LOGSA provides a mass SNUF interrogation, as shown in tables 2-52, 2-53, and 2-54, for each user interrogation record submitted to LOGSA.

*b. Input error reply.* LOGSA provides an input error reply record, as shown in table 2-55, for each unprocessable ATDS transaction submitted to LOGSA. (See table 2-56 for an explanation of the reject reason notification codes.)

*c. DLIS interrogation results.* LOGSA provides a FLIS interrogation result, as shown in table 2-45 above, for each response received from the FLIS.

*d. No record-AMDF reply.* LOGSA provides a no record AMDF reply, as shown in table 2-57, for each NSN submitted to LOGSA by a stock number registration record which is not resident in the AMDF.

**Table 2-52**  
**Mass SNUF interrogations, Recorded users of specific stock number**

Positions	Field legend	Remarks
1-3	Document identifier code	Always INT.
4-6	Record sequence number	Denotes the sequence of multiple records furnished for the stock number in positions 8-20. (Blank indicates there is only one record furnished.)
7	Reserved	For LOGSA use only.
8-20	Stock number	Stock number requested on interrogation.
21-24	Reserved	For LOGSA use only.
25-27	Requester activity code	Activity code on interrogation.

**Table 2-52**  
**Mass SNUF interrogations, Recorded users of specific stock number—Continued**

Positions	Field legend	Remarks
28-30	User activity code	Activity code of the first user of requested stock number. (If there are no users recorded for a stock number, interrogation output positions 1-27 will be as above and positions 28-41 will contain no SNUF users.
31-33	User activity code	Additional activity code, if any.
34-36	User activity code	Additional activity code, if any.
37-39	User activity code	Additional activity code, if any.
40-42	User activity code	Additional activity code, if any.
43-45	User activity code	Additional activity code, if any.
46-48	User activity code	Additional activity code, if any.
49-51	User activity code	Additional activity code, if any.
52-54	User activity code	Additional activity code, if any.
55-57	User activity code	Additional activity code, if any.
58-60	User activity code	Additional activity code, if any.
61-63	User activity code	Additional activity code, if any.
64-66	User activity code	Additional activity code, if any.
67-69	User activity code	Additional activity code, if any.
70-72	User activity code	Additional activity code, if any.
73-75	User activity code	Additional activity code, if any.
76-78	User activity code	Additional activity code, if any.
79-80	Reserved	For LOGSA use only.

**Table 2-53**  
**Mass SNUF interrogations, Recorded stock number interest of a specific user**

Positions	Field legend	Remarks
1-3	Document identifier code	Always INT.
4-7	Reserved	For LOGSA use only.
8-20	Stock number	Stock number for which requested activity code is registered.
21-24	Reserved	For LOGSA use only.
25-27	Requester activity code	Requester activity code or interrogation.
28-38	Reserved	For LOGSA use only.
39-41	User activity code	User activity code on interrogation.
42-80	Reserved	For LOGSA use only.

**Table 2-54**  
**Mass SNUF interrogations, Recorded users of specific FSC/FSG**

Positions	Field legend	Remarks
1-3	Document identifier code	FSC or FSG.
4-6	Record sequence number	Denotes the sequence of multiple records furnished for the FSC or FSG.
7	Reserved	For LOGSA use only.
8-11	Federal supply class	FSC or interrogation. (If interrogation is for users of the FSG, positions 8-9 are the FSG and positions 10-11 are from the stock number user file.)
12-20	National item identification number	NIIN from the stock number user file.
21-24	Reserved	For LOGSA use only.
25-27	Requester activity code	Requester activity code from interrogation.
28-30	Reserved	For LOGSA use only.
31-33	User activity code	Activity code registered on stock number in positions 8-20.
34-36		For LOGSA use only
37-39	User activity code	Additional activity code, if any.
40-42	User activity code	Additional activity code, if any.
43-45	User activity code	Additional activity code, if any.
46-48	User activity code	Additional activity code, if any.
49-51	User activity code	Additional activity code, if any.
52-54	User activity code	Additional activity code, if any.
55-57	User activity code	Additional activity code, if any.
58-60	User activity code	Additional activity code, if any.
61-63	User activity code	Additional activity code, if any.
64-66	User activity code	Additional activity code, if any.
67-69	User activity code	Additional activity code, if any.
70-72	User activity code	Additional activity code, if any.
73-75	User activity code	Additional activity code, if any.
76-78	User activity code	Additional activity code, if any.
79-80	Reserved	For LOGSA use only.

**Table 2-55**  
**ATDS input errors**

Positions	Field legend	Remarks
1-79	Input record	The original input will be displayed.
80	ATDS reject reason/notifications.	ATDS reject reason/notification codes. (See table 2-56.)

**Table 2-56**  
**ATDS reject reason/notification codes**

Code	Remarks
A	Incorrect document identifier code. Review for other errors. Resubmit.
B	Incorrect activity code. Review for other errors. Resubmit.
C	Incorrect input transaction code. Review for other errors. Resubmit.
D	Incorrect Julian Day. Review for other errors. Resubmit.
E	Incorrect transmission media code. Review for other errors. Resubmit.
F	If activity code is incorrect, correct it. Determine if there are other errors. Resubmit. If activity code has not been established on master address file, contact LOGSA to submit master address file input. After activity code has been established on the master address file, resubmit SNUF input.
G	For DIC CTD, make sure that the stock number is all numerics and that there are no spaces. Determine if there are other errors. Resubmit.
H	Incorrect response action code. Review for other errors. Resubmit.
I	Determine if any changes need to be made to master address file data. Resubmit, if necessary.
J	Change input transaction code to A. Determine if there are any other errors. Resubmit.
L	Contact LOGSA to submit master address file input. After activity code has been established on the master address file, resubmit SNUF input.
M	Determine if any action needs to be taken to correct data on the master address file. Resubmit, if necessary.
P	Incorrect record number. Review for other errors. Resubmit.
Q	At least one of the data elements beginning position fields is not all numerics. Correct the field. Review for other errors. Resubmit.
R	Incorrect data element indicator. Review for other errors. Resubmit.
S	The 4-position effective date field indicator is "Y," but there is no entry in the effective date beginning position field. Change the 4-position effective date beginning field indicator to "N" or make an entry in the effective date beginning position field. Determine if there are other errors. Resubmit.
T	As submitted, at least two of the data elements would overlap. Change the necessary data element beginning positions to allow sufficient space for each data element. Resubmit.

**Table 2-57**  
**ATDS output record specifying no record AMDF**

Positions	Field legend	Remarks
1-3	Document identifier codes	Always CTD.
4-7	Reserved	For LOGSA use only.
8-20	Stock number	Stock number of input.
21	Reserved	For LOGSA use only.
22	Identifying number code	Identifying number code of input.
23-24	Reserved	For LOGSA use only.
25-27	User activity code	Activity code of input.
28-32	Reserved	For LOGSA use only.
33-37	Preparation date	Julian Day transaction was generated.
38	Reserved	For LOGSA use only.
39-52	ATDS message	Always no record AMDF.
53-54	Reserved	For LOGSA use only.
55	DLSC screening code	An "X" means a DIC LTI inquiry has been submitted to FLIS to retrieve available catalog data. A blank means no DIC LTI inquiry has been submitted to FLIS.
56-80	Reserved	For LOGSA use only.

## **Section XI**

### **Hazardous Materials Data File**

#### **2-46. Introduction**

This section prescribes procedures for operating and managing the hazardous materials data file (HMDF). The HMDF is a data base containing information on hazardous items used to assist Army transportation activities in the movement of dangerous cargo safely and in a timely manner.

#### **2-47. HMDF data elements**

*a.* The Army PICA/SICA will submit the following data elements to LOGSA for each Army used or managed NSN determined hazardous:

- (1) Activity measurement.
- (2) Air dimension code (ADC).
- (3) Air commodity and special handling code.
- (4) Chemical physical form.
- (5) Class A explosive weight.
- (6) Class B explosive weight.
- (7) Commercial and Government entity code (CAGEC).
- (8) Decimal locator code.
- (9) DOD hazard classification and division.
- (10) Department of Defense identification code (DODIC).
- (11) Department of Transportation (DOT) shipping name code.
- (12) Document identifier code.
- (13) Fissile class.
- (14) Fissile exempt.
- (15) Flash point method code.
- (16) Flash point temperature.
- (17) International Air Transport System (IATA) proper shipping name code.
- (18) Inter-governmental Maritime Consultative Organization (IMCO) proper shipping name code.
- (19) Item name.
- (20) NSN.
- (21) Net explosive weight for quantity distance.
- (22) New weight or volume of hazardous material.
- (23) Neutralizing agent.
- (24) Nuclear Regulatory Commission license number.
- (25) Originating activity code.
- (26) Radiation at one meter.
- (27) Radiation at surface.
- (28) Radionuclide.
- (29) Record sequence number.
- (30) Reference number logistics.
- (31) Service authorization number.
- (32) Special instruction narrative.
- (33) Special instruction narrative indicator code.
- (34) Storage compatibility group.
- (35) TM 38-250 proper shipping name code.
- (36) Transaction date.
- (37) Transport group.
- (38) Transport index.
- (39) Unit of measure code.

*b.* The USAMC Packaging, Storage, and Containerization Center maintains system support record (SSR) files for the data elements listed in (1) through (4) below. LOGSA will use the SSR files to process HMDF transactions submitted according to this section.

- (1) DOT SSR file data elements.
  - (a)* DOT packaging sequence number (PSN) code.
  - (b)* DOT symbols.
  - (c)* Proper shipping name.

- (d) DOT hazard class.
- (e) Identification number.
- (f) DOT label requirement.
- (g) DOT packaging exception.
- (h) DOT special requirement.
- (i) Maximum net quantity per package (passenger aircraft).
- (j) Maximum net quantity per package (cargo aircraft).
- (k) Water shipment quantity (cargo vessel).
- (l) Water shipment quantity (passenger vessel).
- (m) Water shipment other requirements.
- (2) IMCO SSR file data elements.
  - (a) IMCO PSN code.
  - (b) Proper shipping name.
  - (c) International maritime dangerous goods code page.
  - (d) United Nations (UN) serial number.
  - (e) IMCO hazard class.
  - (f) IMCO packaging group.
  - (g) IMCO subrisk label requirement.
  - (h) Medical first air guide number.
- (3) IATA SSR file data elements.
  - (a) IATA PSN code.
  - (b) UN or identification (ID) number.
  - (c) Proper shipping name.
  - (d) UN class and division.
  - (e) IATA subsidiary risk.
  - (f) UN packaging group.
  - (g) IATA packaging instruction (passenger aircraft).
  - (h) IATA packaging instruction (cargo aircraft).
  - (i) Maximum net quantity per package (passenger aircraft).
  - (j) Maximum net quantity per package (cargo aircraft).
  - (k) State and operator differences.
- (4) TM 38-250 SSR file data elements.
  - (a) TM 38-250 PSN code.
  - (b) Proper shipping name.
  - (c) Hazard class.
  - (d) TM 38-250 label requirement.
  - (e) TM 38-250 packaging requirement.
  - (f) TM 38-250 loading and storage group.
  - (g) ID number.

## **2-48. Hazardous classification data file record**

The Army PICA/SICA submits to LOGSA and LOGSA will maintain on file hazardous classification data file records as shown in tables 2-58 through 2-63.

**Table 2-58**  
**HMDF file record A, proper shipping name record**

Positions	Data element	Remarks
1-3	Document identifier code	Positions 1 and 2 always constant HA. Position 3 coded "A" for add, "C" for change, and "D" for delete.
4-5	Originating activity code	Two-position alpha code that denotes the activity responsible for preparation and maintenance of HMDF data. (See table 3-3.)
6-7	Reserved	For LOGSA use only.
8-20	Stock number field	National stock number.
21-23	DOT proper shipping name code	This is the code for the proper shipping name for shipments referenced in section 1, part 172, title 49, Code of Federal Regulations 49 CFR 172.101. (See HMDS DOT SSR file.)
24-26	IMCO proper shipping name code	This is the code for the proper shipping name for water shipments from the general index in Volume IV of the dangerous goods code of the Inter-governmental Maritime Consultative Organization. (See HMDS IMCO SSR file.)
27-29	IATA proper shipping name code	This is the code for the proper shipping name for shipments referenced in the IATA dangerous goods regulations. (See HMDS IATA SSR file.)
30-32	TM 38-250 proper shipping name code	This is the code for the proper shipping name for shipments referenced in the IATA dangerous goods regulations. (See HMDS IATA SSR file.)
33-35	Reserved	For LOGSA use only.
36	Special instruction narrative indicator code	A 1-position code indicating that specific information relating to the storage/transportation characteristics of this material is provided in the special instruction narrative, positions 21-73, HMDF input record format F. Enter code F when special instructions are provided.
37-47	Net weight or volume of hazardous material	Total weight or volume of the hazardous material that is in the unit of issue quantity. Position 37 is decimal locator. (See table 3-11.) A position 37-47 is net weight or volume of hazardous material.
48-49	Unit of measure code	Appropriate 2-position alpha code that indicates the physical measurement of the hazardous material. (See table 3-46.)
50	Reserved	For LOGSA use only.
51-54	Flash point temperature	The minimum temperature at which a substance gives off flammable vapor, which in contact with spark or flame will ignite. Enter temperature in positions 51-53 expressed in degrees. Position 54 is either C for Celsius or F for Fahrenheit.
55	Flash point method code	A code that identifies the laboratory method by which the flash point temperature was determined. Code C refers to closed cup method. Code O refers to opened cup method.
56-75	Neutralizing agent	The proper name of the substance used to render harmless the hazardous material.
76-80	Transaction date	Five-position ordinal date. Enter last two digits of year in positions 76-77. In positions 78-80, enter 3-digit numerical calendar day.

**Table 2–59**  
**Hazardous classification data file, HMDF file record B, radioactive item record**

Position	Data element	Remarks
1-3	Document identifier code	Positions 1 and 2 always "HB." Position 3 coded "A" for add, "C" for change, and "D" for delete.
4-5	Originating activity code	Two-position alpha code denoting activity responsible for preparation and maintenance of HMDF data. (See table 3-3.)
6-7	Reserved	For LOGSA use only.
8-20	Stock number field	National stock number/
21-25	Commercial and Government entity code (CAGE)	Appropriate 5-position CAGE code per cataloging handbook (H 4-2).
26-57	Reference number logistic	Enter manufacturer's part number.
58-62	Radionuclide	The chemical identification of a radioactive substance. Per list of radionuclides. Reference 49 CFR 173.390.
63-73	Activity measurement	The degree of radioactivity contained in the unit of issue quantity of material covered by one specific NSN. The degree is expressed in curies. Position 63 is decimal locator (see table 3-11). Position 64-73 is activity measurement.
74-75	Record sequence number	First record 01, second record 02, and so forth.
76-80	Transaction date	Five-position ordinal date. Enter last two digits of year in positions 76-77. In positions 78-80, enter 3-digit numerical calendar day.

**Table 2–60**  
**Hazardous classification data file, HMDF file record C, radioactive item record**

Position	Data element	Remarks
1-3	Document identifier code	Positions 1 and 2 always-constant "HC." Position 3 coded "A" for add, "C" for change, and "D" for delete.
4-5	Originating activity code	Two-position alpha code denoting activity responsible for preparation and maintenance of HMDF data. (See table 3-3.)
6-7	Reserved	For LOGSA use only.
8-20	Stock number field	National stock number.
21-60	Chemical/physical form	The proper chemical name plus the identification of the physical form of the compound containing the radionuclide.
61	Fissile exempt	Identifies items subject to or exempt from fissile classification. Enter code "Y" for exempt or code "N" for nonexempt.
62	Fissile class	Identifies the class of fissile material. Reference 49 CFR 173.389.
63-73	Nuclear Regulatory Commission license number or service authorization number	The identification of a specific nuclear regulatory commission license.
74-75	Record sequence number	First record 01, second record 02, and so forth.
76-80	Transaction date	5-position ordinal date. Enter last two digits of year in positions 76-77. In positions 78-80, enter 3-digit numerical calendar day.

**Table 2-61**  
**Hazardous classification data file, HMDF file record D, radioactive item record**

Position	Data element	Remarks
1-3	Document identifier code	Positions 1 and 2 always "HD." Position 3 coded "A" for add, "C" for change, and D for delete.
4-5	Originating activity code	2-position alpha code denoting activity responsible for preparation and maintenance of HMDF data. (See table 3-3.)
6-7	Reserved	For LOGSA use only.
8-20	Stock number field	National stock number.
21-31	Radiation at surface	
	21-Decimal locator	(See table 3-11.)
	22-31 Radiation at surface	Measure of the ionizing radiation present at the surface of the package containing radioactive material. Measure is expressed in milliroentgens per hour.
32	Reserved	For LOGSA use only.
33-43	Radiation at 1-meter	Measure of the ionizing radiation present at one meter from the surface of the package containing radioactive material. Measure is expressed in milliroentgens per hour. Position 33 is decimal locator. (See table 3-11.) Positions 34-43 are radiation at one meter.
44-46	Transport group	Group into which normal form radionuclides are classified according to their radiotoxicity and their relative potential hazard in transportation, and as listed in 49 CFR 173.390.
47	Reserved	For LOGSA use only.
48-51	Transport index	The number placed on a package to designate the degree of control to be exercised by the carrier during transportation. Reference 49 CFR 173.389.
52-73	Reserved	For LOGSA use only.
74-75	Record sequence number	First record 01, second record 02, and so forth.
76-80	Transaction date	Five-position ordinal date. Enter last two digits of year in positions 76-77. In positions 78-80, enter 3-digit numerical calendar day.

**Table 2-62**  
**Hazardous classification data file, HMDF file record E, ammunition record and explosives record**

Position	Data element	Remarks
1-3	Document identifier code	Positions 1 and 2 are always "HE." Position 3 is coded "A" for add, "C" for change, and "D" for delete.
4-5	Originating activity code	Two-position alpha code denoting the activity responsible for preparation and maintenance of HMDF data. (See table 3-3.)
6-7	Reserved	For LOGSA use only.
8-20	Stock number field	National stock number.
21-22	Reserved	For LOGSA use only.
23-24	Inhabited building distance (IBD)	The minimum separation distance (in hundreds of feet) for specified levels of protection of inhabited buildings and personnel in the open. Enter the numerals to report the IBD for the item.
25-27	DOD hazard classification and division	Enter a numeral for the DOD hazard class, a period (.) and a numeral for the DOD hazard division for the item.
28	Storage compatibility group	Enter a letter for the storage compatibility group for the item.
29-32	Reserved	For LOGSA use only.
33-38	Quantity per pallet	Self-explanatory.
39-46	Class A explosive weight	The net weight, in pounds, of DOD hazard classification and division 1.1 material in a single item.

**Table 2-62**  
**Hazardous classification data file, HMDF file record E, ammunition record and explosives record—Continued**

Position	Data element	Remarks
47-54	Class B explosive weight	The net propellant weight, in pounds, of DOD hazard classification and division 1.3 material in a single item.
55-62	Net explosive weight for quantity distance	The net explosive weight, the net propellant weight, or a combination of the two, in pounds, for a single item.
63-75	Reserved	For LOGSA use only.
76-80	Transaction date	Five-position ordinal date. Enter last two digits of year in positions 76-77. In positions 78-80, enter 3-digit numerical calendar day.

**Table 2-63**  
**Hazardous classification data file, HMDF Record F, special instructions narrative record**

Position	Data element	Remarks
1-3	Document identifier code	Positions 1 and 2 are always "HF." Position 3 is coded "A" for add, "C" for change, and "D" for delete.
4-5	Originating activity code	Two-position alpha code denotes activity responsible for preparation and maintenance of HMDF data. (See table 3-3.)
6-7	Reserved	For LOGSA use only.
8-20	Stock number field	National stock number.
21-73	Special instructions	A narrative statement of transportation requirements specific to an individual hazardous item of supply.
74-75	Record sequence number	First record 01, second record 02, and so forth.
76-80	Transaction date	Five-position ordinal date. Enter last two digits of year in positions 78-80, enter 3-digit numerical calendar day.

## 2-49. HMDF document identifier codes

HMDF DICs will be comprised of three positions.

- a. The first position will identify the HMDF, and will always be an "H."
- b. The second position will identify the record as follows:
  - (1) A—HMDF record A. (Proper shipping name record.)
  - (2) B—HMDF record B. (Radioactive item record.)
  - (3) C—HMDF record C. (Radioactive item record)
  - (4) D—HMDF record D. (Radioactive item record)
  - (5) E—HMDF record E. (Ammunition record)
  - (6) F—HMDF record F. (Special instructions narrative record)
- c. The third position will identify the action as follows:
  - (1) Code A used to add a record.
  - (2) Code C used to change a record.
  - (3) Code D used to delete a record.

## Section XII

### AMDF Authorized Stockage List Weight and Cube Extract System

## 2-50. Overview

LOGSA operates an AMDF authorized stockage list weight and cube extract system to allow Army users to submit a tape containing an authorized stockage list (or any other group of NIINs) to receive weight and cube data.

## 2-51. Input procedures

The requesting activity mails a magnetic tape to LOGSA prepared per table 2-64 as shown below.

## 2-52. Reply records

LOGSA processes the input records and processes an output tape per the specifications of the requester. Table 2-65 shows the NSN output records, and table 2-66 shows the total record on the tape.

**Table 2-64**  
**ASL weight/cube input procedures**

Positions	Field legend	Explanation or instructions
1-3	Document identifier code	Always CWC.
4-5	Requester inquiry activity code	Use the 2-digit inquiry activity code assigned by LOGSA.
6-7	Reserved	For LOGSA use only.
8-20	NSN	Enter stock number. Left justify.
21-24	Reserved	For LOGSA use only.
25-29	NSN quantity	Enter the applicable quantity for the NSN in positions 8-20. Right justify.
30-80	Reserved	For LOGSA use only.

**Table 2-65**  
**ASL weight/cube NSN reply record**

Positions	Field legend	Explanation or instructions
1-3	Document identifier code	Always CWD.
4-5	Requester inquiry activity code	Same as input.
6-7	Reserved	For LOGSA use only.
8-20	NSN	Same as input. If NIIN (positions 12-20) matches a NIIN on the AMDF but the positions 8-11 differs, the FSC on the AMDF is output in positions 8-11.
21-24	Reserved	For LOGSA use only.
25-29	NSN quantity	Same as input.
30-40	Message	If the NIIN is not on the AMDF, NOT ON FILE is displayed. If a NIIN was submitted more than once, DUP NIIN is displayed. If there is no packaging record on the NIIN, NO PKG REC is displayed. As applicable, the following messages are displayed: NO WT/CUBE, NO WEIGHT, or NO CUBE.
41-49	Unit pack weight	The weight is shown in hundredths of a pound. Thus, 00003504 equals 35.04 pounds.
50	Reserved	For LOGSA use only.
51-57	Unit pack cube	The cube is shown in thousandths of a pound. Thus, 0002496 equals 2.496 cubic feet.
58-61	Unit pack quantity	The NSN quantity is divided by unit pack quantity and the result multiplied by the unit pack weight (to obtain the NSN quantity weight) and the unit pack cube (to obtain the NSN quantity cube).
62	Reserved	For LOGSA use only.
63-71	NSN quantity weight	In hundredths of a pound.
72-73	Reserved	For LOGSA use only.
74-81	NSN quantity cube	In thousandths of a cubic foot.
82-85	Reserved	For LOGSA use only.

**Table 2-66**  
**ASL weight/cube total record**

Positions	Field legend	Explanation or instructions
1-3	Document identifier code	Always CWD.
4-7	Reserved	For LOGSA use only.
8-16	ASL total	Always ASL total.
17-62	Reserved	For LOGSA use only.
63-71	Total weight	In hundredths of a pound.
72-73	Reserved	For LOGSA use only.
74-81	Total	In thousandths of a cubic foot.
82-85	Reserved	For LOGSA use only.

## Section XIII

### Special Army Data Segment

#### 2-53. Overview

The special Army data segment provides a way for LOGSA to provide the user in the field various logistics management data elements.

#### 2-54. Special considerations

This segment is used for output from LOGSA only. The format in this segment will not be used for input to LOGSA. (See table 2-67 below.)

**Table 2-67**  
**Special Army user segment instructions**

Positions	Field legend	Explanation
1-3	Document identifier code	CLA—add segment. CLC—change segment.
4-5	Originator code	(See table 3-3.)
6-7	Destination activity code/activity inquiry code	Activity codes are assigned by LOGSA.
8-20	Stock number field	The stock number assigned to the item.
21-24	Reserved	For LOGSA use only.
25	Automatic data processing equipment identification code	(See table 3-7.)
26	Precious metals indicator code	(See table 3-32.)
27-29	End item code	The end item code is a 3-position alphanumeric code that identifies the end item of which a repair part is a component. Major subordinate command end item managers can request the Commander, USAMC Logistics Support Activity, ATTN: AMXLS-ML to assign an EIC to an NSN type classified as a major item and purchased with procurement appropriation funds (appropriation and budget activity, account codes A-Q.)
30	Electrostatic discharge indicator	A, B, C, D, or blank.
31-33	Routing identifier code of receiving depot-1	(See AR 725-50.)
34-36	Routing identifier code of receiving depot-2	(See AR 725-50.)
37-39	Routing identifier code of receiving depot-3	(See AR 725-50.)
40-42	Routing identifier code of receiving depot-4	(See AR 725-50.)
43-45	Routing identifier code of receiving depot-5	(See AR 725-50.)
46-48	Blank	Reserved for LOGSA use.

**Table 2-67**  
**Special Army user segment instructions—Continued**

Positions	Field legend	Explanation
49	Maintenance repair code-Army unique data (AUD) U.S. Army Soldiers, Biological and Chemical Command (SBCCOM)	(See table 3-23.) Value submitted by SBCCOM for AUD quarterly extract/update.
50	Maintenance repair code-AUD U.S. Army Medical Materiel Agency (USAMMA)	(See table 3-23.) Value submitted by USAMMA for AUD quarterly extract/update.
51	Maintenance repair code-AUD U.S. Army Tank—Automotive Command (USATACOM)	(See table 3-23.) Value submitted by TACOM for AUD quarterly extract/update.
52	Maintenance Repair Code-AUD U.S. Army Aviation and Missile Command (AMCOM)	(See table 3-23.) Value submitted by AMCOM for AUD quarterly extract/update.
53	Maintenance Repair Code-AUD U.S. Army Armament and Chemical Acquisition Logistics Command (ACALA)	(See table 3-23.) Value submitted by ACALA for AUD quarterly extract/update.
54	Maintenance Repair Code-AUD Army Communications-Electronics Command (CECOM)	(See table 3-23.) Value submitted by CECOM for AUD quarterly extract/update.
55	Maintenance Repair Code-AUD U.S. Army CECOM Communications quarterly extract/update. Security Logistics Activity (CSLA)	See table 3-23. Value submitted by CSLA for AUD quarterly extract/update.
56	Maintenance Repair Code-AUD (AMCOM)	(See table 3-23.) Value submitted by AMCOM for AUD quarterly extract/update.
57	Maintenance Repair Code-AUD U.S. Army CECOM Intelligence Management Center (IMMC)	(See table 3-23.) Value submitted by IMMC for AUD quarterly extract/update.
58	Essentiality Code-AUD (SBCCOM)	(See table 3-14.) Value submitted by SBCCOM for AUD quarterly extract/update.
59	Essentiality Code-AUD (USAMMA)	(See table 3-14.) Value submitted by USAMMA for AUD quarterly extract/update.
60	Essentiality code-AUD (TACOM)	(See table 3-14.) Value submitted by TACOM for AUD quarterly extract/update.
61	Essentiality Code-AUD (AMCOM)	(See table 3-14.) Value submitted by AMCOM for AUD quarterly extract/update.
62	Essentiality	(See table 3-14.) Value submitted
63-72	Blank	Reserved for LOGSA
73-79	Effective date	
	73-76 year	Year change notice is effective.
	77-79 Julian Day	Three-digit numerical calendar day.
80	Reserved	For LOGSA use only.

## Section XIV

### Medical User Data Segment

#### 2-55. Overview

The medical user data segment provides logistics management data for supply category of materiel 8 (medical items).

#### 2-56. Special considerations

Only U.S. Army Medical Materiel Activity (USAMMA) may submit data for this segment. (See table 2-68.)

**Table 2-68**  
**Medical user segment instructions**

Positions	Field legend	Explanation
1-3	Document identifier code	CL8--add segment. CL6--change segment. CL7--delete segment.
4-5	Originator code MDD indicator	(See table 3-3) or use MD for MDD output.
6-7	Destination activity code/activity inquiry code/reject code	Activity codes and reject codes assigned and provided by LOGSA.
8-20	Stock number field	The stock number assigned to the item.
21-24	Reserved	For LOGSA use only.
25-36	Method of destruction codes	Each method of destruction code is 4 positions with a total of one to three occurrences. Definitions of method of destruction codes are in SB 8-75-S7.
37	Estimated storage life code	(See table 3-47.)
38-40	Storage/shipment requirement code	(See table 3-48.)
41-42	Life expectancy	Enter the number of years of usefulness or expected service of a piece of equipment once it has been placed into use. The life expectancy assumes that the item will receive normal user maintenance.
43	Hazardous waste code	(See table 3-49.)
44-47	Hazardous waste number	Enter the appropriate hazardous waste number as required by title 40, Code of Federal Regulations.
48-49	Storage type code	(See table 3-50.)
50	Department of Defense special requirements code	(See table 3-51.)
51-55	Special notes code	(See table 3-10.)
56-71	Blank	Reserved for LOGSA.
72	Supplemental input indicator	For LOGSA use only. S=non-CCSS AMDF originator update. This code will be blanked out for distribution through SSD and MDD.
73-79	Effective date	
73-76	year	Year change notice is effective.
77-79	Julian Date	3-digit numerical calendar day.
80	Reserved	For LOGSA use only.

## Section XV

### Accounting Requirements Code Selection Criteria

#### 2-57. Accounting requirements

The ARC is a 1-position, alphabetic code that identifies the level of accounting required for an item of supply within the Army retail supply system. All items of supply are entered into the stock record account (SRA) of the unit. The ARC identifies the level of accounting that is required once an item is issued from the SRA.

#### 2-58. Data codes and definitions

The following identify and define each of the acceptable values of the ARC:

*a. N-nonexpendable item.* An item of Army property coded with an ARC of "N" in the AMDF. Nonexpendable items require property book accountability after issue from the SRA. Commercial and fabricated items similar to items coded N in the AMDF are considered nonexpendable items.

*b. D-Durable item.* An item of Army property coded with an ARC of "D" in the AMDF. Durable items do not require property book accountability after issue from the SRA, but do require hand receipt control when issued to the user. Commercial and fabricated items similar to items coded D in the AMDF are considered durable items.

*c. X-expendable item.* An item of Army property coded with an ARC of "X" in the AMDF. Expendable items require no formal accountability after issue from an SRA. Commercial and fabricated items similar to items coded X in the AMDF are considered expendable items.

#### 2-59. Selection criteria

The following paragraphs specify the procedures to be used by the item manager to select the ARC to be assigned to

an item of supply. These same procedures are applicable to retail activities in the assignment of the ARC to locally procured items.

*a.* If the class of supply has not been assigned, do not proceed. The class of supply is the key to selecting the correct ARC. The class of supply must be determined before selecting the ARC. Once the class of supply is identified, proceed through the remainder of the criteria and select the appropriate ARC.

*b.* If the class of supply has been assigned, review the assigned class of supply to assure that it is correct. After assuring that the class of supply is correct, proceed through the remainder of the criteria and select the appropriate ARC.

*c.* If the item is assigned class I (code 1), subsistence; class III (code 3), petroleum, oil, and lubricants (POL); class VI (code 6), personal demand items; or class IX (code 9), repair parts and assemblies; the item is expendable. Assign ARC "X" to the item of supply.

*d.* If the item is assigned class V (code 5), ammunition, proceed as follows:

(1) If the subclassification of supply is not equal to "L," missile materiel, the item is expendable. Assign "ARC X" to the item of supply.

(2) If the subclassification of supply is equal to L, proceed as follows:

(a) If the item is a training device assigned to class of supply V to assure transportation through munitions channels, the item is nonexpendable. Assign ARC "N" to the item of supply.

(b) Otherwise, the item is expendable. Assign ARC "X" to the item of supply.

*e.* If the item is assigned class VII (code 7), major end items; the item is nonexpendable. Assign ARC "N" to the item of supply.

*f.* If the item is assigned class VIII (code 8), medical materiel; the ARC is selected through use of the medical materiel "ARC" selection criteria established by The Surgeon General (AR 40-61).

*g.* The following paragraphs provide the selection criteria applicable to class II (code 2), nonmajor end items; class IV (code 4), construction materiel, and class X (code 0), non-military program materiel.

*h.* If the item is recorded in SB 700-20, proceed as follows:

(1) If the item is assigned Federal supply classifications 8405, 8410, 8415, 8420, 8425, 8430, 8435, 8440, 8445, or 8450, proceed as follows:

(a) If the item is a bag item (that is, the item is a piece of personal equipment issued from the military personnel appropriation to an individual on entry into the military service), the item is expendable. Assign ARC "X" to the item of supply.

(b) If the item is authorized by common table of allowances (CTA) 50-970, code the item of supply as expendable (ARC=X). If the item is authorized by CTA 50-900, paragraph 9, table 4, code the item of supply as nonexpendable (ARC=N).

(c) If the item is not a bag item or authorized by CTA 50-970, the item is coded as nonexpendable. Assign ARC "N" to the item of supply.

(2) If the item is assigned to FSC 3510, 4110, 4140, 6240, 7105, 7110, 7125, 7195, 7210, 7220, 7230, 7290, 7310, 7320, 7350, 7820, or 7910, proceed as follows:

(a) If the unit price is less than \$300, and assigned a CIIC of "U" or "7", the item is coded expendable. Assign ARC "X" to the item of supply.

(b) If the unit price of the item is over \$300, but less than \$2,500 and is assigned a CIIC of "U" or "7", the item is coded durable. Assign ARC "D" to the item of supply.

(c) Otherwise the item is nonexpendable. Assign ARC "N" to the item of supply.

(3) If the item is not assigned one of the above-identified FSCs, the item is nonexpendable. Assign ARC "N" to the item of supply.

*i.* If the item is assigned FSCs 8465, 8570, or 8475, as ARC "N" or "X", as applicable, to the item of supply.

*j.* If the item is assigned FSC 8340, tents and tarpaulins proceed as follows:

(1) If the item is an end item, the item is nonexpendable. Assign ARC "N" to the item of supply.

(2) Otherwise, if the item is a component of a tent or tarpaulin, the item is expendable. Assign ARC "X" to the item of supply.

*k.* If the item is assigned "FSC 8345," flags and pennants, proceed as follows:

(1) If the item is a member of one of the following categories of flags and pennants, the item is nonexpendable. Assign ARC "N" to the item of supply. Nonexpendable flags and pennants categories follow:

(a) Organizational colors.

(b) National flags (except for grave decoration and automobile flags).

(c) State flags.

(d) Positional colors.

(e) Distinguishing flags.

(2) All other flags and pennants are expendable. Assign ARC "X" to these items.

*l.* If the item is assigned an FSC listed in table 2-69 (this identifies the item as a hand tool or a measuring tool), proceed as follows:

(1) If the unit price of the item is equal to or exceeds \$300, the item is nonexpendable. Assign ARC “N” to the item of supply.

(2) If the unit price of the item is equal to or exceeds \$50, the item is durable. Assign ARC “D” to the item of supply.

(3) Otherwise, if the unit price of the item is less than \$50, the item is expendable. Assign ARC “X” to the item of supply.

*m.* If the item is assigned an FSC listed in table 2-70, the item is expendable. Assign ARC “X” to the item of supply.

*n.* If the item is assigned an FSC listed in table 2-71, proceed as follows:

(1) If the unit price of the item is equal to or exceeds \$300, the item is nonexpendable. Assign ARC “N” to the item of supply.

(2) Otherwise, if the unit price of the item is less than \$300, the item is expendable. Assign ARC “X” to the item of supply.

*o.* Items not assigned an ARC according to the above criteria are considered to be expendable. Assign ARC “X” to these items of supply.

**Table 2-69**  
**Hand Tool and Measuring Tool Federal Supply Classifications, Sample listing of hand tool and measuring tool FSCs**

5110	5130	5136	5180	5220
5120	5133	5140	5210	5280

**Table 2-70**  
**Expendable Items Federal Supply Classifications, sample listing of expendable item's FSCs**

2510	2995	5320	5670	5977	7920	8325	9505
2520	3010	5325	5680	5985	7930	8330	9510
2530	3020	5330	5905	5990	8010	8435	9515
2540	3030	5335	5910	5995	8020	8455	9520
2590	3040	5340	5915	5999	8030	8510	9525
2610	3110	5345	5920	6105	8040	8520	9530
2620	3120	5350	5925	6145	8105	8530	9535
2630	3130	5355	5930	6750	8110	8540	9540
2640	4010	5360	5940	6810	8115	9310	9545
2910	4020	5365	5945	6820	8120	9320	9610
2915	4030	5510	5950	6830	8125	9330	9620
2920	4510	5520	5955	6840	8130	9340	9630
2925	4710	5530	5960	6850	8135	9350	9640
2930	4720	5610	5961	7340	8140	9390	9650
2935	4730	5620	5962		8145	9410	9660
2940	4810	5630	5963	7510	8305	9420	9670
2945	4820	5640	5965	7520	8310	9430	9680
2950	5310	5650	5970	7530	8315	9440	
2990	5315	5660	5975	7540	8320	9450	

**Table 2-71**  
**Nonexpendable Items Federal Supply Classifications, sample listing of nonexpendable item's FSCs**

2210	3426	3590	3750	4420	5450	6630	7035
2220	3431	3605	3810	4430	5805	6635	7040
2230	3432	3610	3815	4440	5810	6636	7042
2305	3433	3611	3820	4450	5811	6640	7045
2310	3436	3615	3825	4460	5815	6645	7050
2320	3438	3620	3830	4520	5820	6650	7360
2330	3439	3625	3910	4540	5821	6655	7420
2340	3441	3630	3915	4910	5825	6660	7430
2350	3442	3635	3920	4920	5826	6665	7435
3210	3443	3640	3930	4921	5830	6670	7440
3220	3444	3645	3940	4923	5831	6675	7450
3405	3445	3650	3950	4925	5835	6680	7460
3408	3446	3655	3960	4927	5840	6685	7490
3410	3447	3660		4930	5841	6695	7710
3411	3448	3670	4120	4931	5845	6710	
3412	3449	3680	4130	4933	5850	6720	
3413	3450	3685		4935	5855	6730	
3414	3461	3690	4210	4940	5860	6740	
3415	3465	3693	4220	4960	5865	6780	
3416	3470	3694	4230	5410	5895	7010	
3417		3695	4240	5411	6605	7020	
3418	3520	3710	4310	5420	6610	7021	7720
3419	3530	3720	4320	5430	6615	7022	
3422	3540	3730	4330	5440	6620	7025	8460
3424	3550	3740	4410	5445	6625	7030	8820

## Chapter 3

### ACLDB Code Data

#### 3-1. Code data requirement

The code system in this section must be used by all Army activities that input to or receive output from the ACLDB/AMDF.

#### 3-2. Code explanations

The following code definitions are arranged in data name sequence and list the appropriate tables, when applicable, in which the specific codes can be found:

*a. Accounting requirements code (ARC).* The ARC, as shown in table 3-1, is a 1-position alphabetic code that labels an item expendable, nonexpendable, or durable. (See AR 40-61, AR 710-2, and AR 735-5.) This code does not apply to disposal authority of unserviceable items, which is governed by the recoverability code.

*b. Acquisition advice code (AAC).* The AAC is a 1-position alphabetic code that informs the requisitioner how, and under what conditions, an item will be acquired. It does not specify the source of supply for the item. This code is in the item data segment of the AMDF (table 3-2).

**Table 3–1**  
**Accounting requirements codes**

Code	Explanation
N	Nonexpendable item. An item of Army property coded with an ARC of N in the AMDF. Nonexpendable items require property book accountability after issue from the stock record account. Commercial and fabricated items similar to items coded N in the AMDF are considered nonexpendable items.
D	Durable item. An item of Army property coded with an ARC of "D" in the AMDF. Durable items do not require property book accountability after issue from the stock record account, but do require hand receipt control when issued to the user. Commercial and fabricated items similar to items coded D in the AMDF are considered durable items.
X	Expendable item. An item of Army property coded with an ARC of X in the AMDF. Expendable items require no formal accountability after issue from a stock record account. Commercial and fabricated items similar to items coded X in the AMDF are considered expendable items.

**Table 3–2**  
**Acquisition advice codes**

Code	Explanation
A	Service regulated. Issue, transfer, or shipment is controlled by authorities above the inventory control point (ICP) level to ensure proper and equal distribution. a. Using or stocking of the item requires release authority based on prior or concurrent justification. b. Requisitions will be submitted according to Army requisitioning procedure.
B	ICP regulated. Issue, transfer, or shipment is controlled by the ICP. a. Using or stocking of the item requires release authority based on prior or concurrent justification. b. Requisitions will be submitted according to Army requisitioning procedure.
C	Service managed. Issue, transfer, or shipment is not subject to special control except those imposed by individual services' supply policy. a. The item is centrally managed, stocked, and issued. b. Requisitions will be submitted according to Army requisitioning procedures.
D	DOD inventory materiel manager, stocked and issued. Issue, transfer, or shipment is not subject to special controls except those imposed by the IMM/Army supply policy. a. The item is centrally managed, stocked, and issued. b. Requisitions must contain the fund citation required to acquire the item. Requisitions will be submitted according to IMM/Army requisitioning procedure. (See note 1.)
E	Other service managed, stocked, and issued. Issue, transfer, or shipment is not subject to special controls except those imposed by the Services' requisitioning policy. a. The item is centrally managed, stocked, and issued. b. Requisitions may require a fund citation and will be submitted according to the Army requisitioning procedure.
F	Fabricated or assembled (or obtain items source coded XB from cannibalization). Stock numbered items fabricated or assembled from raw materials and finished products are the normal method of support. Procuring and stocking the items is not justified because of low usage or peculiar installation factors. Differences between local or centralized fabrication or assembly capability are identified by the source of supply modifier in the source of supply column of the service management data lists. (When an Army requirement for an item source coded XB cannot be satisfied through cannibalization, the item will be centrally procured, but not stocked.) A requisition for such an item, when submitted to an Army source of supply manager must contain advice code 2A or it will be rejected with status code CN.
G	General Services Administration-IMM stocked and issued. Identifies GSA-managed items available from GSA supply distribution facilities. Requisitions and fund citations will be submitted according to GSA/Army requisitioning procedure.
H	Direct delivery under a central contract. Issue, transfer, or shipment is not subject to special controls except those imposed by the integrated materiel manager/Army supply policy. a. The item is centrally procured, but not stocked. b. Issue is by direct shipment from the vendor to the user at the order of the ICP or IMM. c. Requisitions and fund citations will be submitted according to Integrated Materiel Manager/Army requisitioning procedures.
I	Direct ordering from a central contract or schedule. Issue, transfer, or shipment is not subject to special controls except those imposed by the IMM/Services supply policy. The item is covered by a centrally issued contract or by a multiple award Federal Supply Schedule for GSA-managed items. This permits using activities to place orders directly to vendors for direct delivery to the user.
J	Not stocked, long lead time. IMM/Service centrally managed, but not stocked, item. Procurement will be started only after a requisition is received.
K	Centrally stocked for overseas only.

**Table 3-2**  
**Acquisition advice codes—Continued**

Code	Explanation
	Main method of supply is local purchase. However, item is stocked in domestic supply system for those overseas activities unable to locally procure. CONUS activities will obtain supply support through local procurement procedures.
L	Locally purchased. DLA/GSA/Service/agency managed items authorized for local purchase as normal means of support at base, post, camp, or station level. Item not stocked in wholesale distribution system of IMM/Service or agency ICP.
M	Restricted requisitions-major overhaul. Items (assemblies or component parts), which for lack of specialized tools, test equipment, and so forth, can be used only by major overhaul activities. Base, post, camp, or station activities will not requisition unless authorized to perform major overhaul functions.
N	Restricted requisitioning-disposal. Discontinued items no longer authorized for issue except on the specific approval of the service inventory manager. Requisitions may be submitted according to service requisitioning procedures when valid requirements exist and replacing item data have not been furnished.
O	Packaged fuels (nonstocked items) DLA-managed and Service-regulated. a. Item will be centrally procured according to DOD 4140.25-M, but not stocked by IMM. A long lead time is required. b. Requirements will be satisfied by direct shipment to the user either from a vendor or from service assets at the order of the ICP or IMM. c. Requirements and/or requisitions will be submitted according to service procedures.
P	Restricted requisition-Security Assistance Program (SAP). a. Indicates item is stocked or acquired only for SAP (replaces Military Assistance Program (MAP)) requirements. b. Indicates item is nonstocked and materiel is ordered from the contractor for shipment directly to the foreign government. c. Base, post, camp, or station will not requisition.
Q	Bulk petroleum products, DLA managed. a. Item may be either centrally stocked or available by direct delivery under a central contract. b. Requirements will be submitted by services according to IMM procedures. c. Item will be supplied according to DOD 4140.25-M.
R	Restricted requisition-Government furnished material. Indicates item is centrally procured as GFM in connection with the manufacture of military items. Base, post, camp, or stations will not requisition.
S	Restricted requisitioning-other service fund. For service managed items, when the issue, transfer, or shipment is subject to special controls of the funding service. a. Item is procured by Army for the funding service and is centrally managed by the funding service. b. The procuring servicing has no requirement in its logistic system for the item.
T	Condemned. Items no longer authorized for procurement, issue, use, or requisitioning.
V	Terminal item. Identifies items in stock, but future procurement is not authorized. Requisitions may be submitted until stocks are exhausted. Preferred item NSNs are normally provided by applying the phrase, "When exhausted use." Requisitions will be submitted according to IMM/Army requisition procedures, as applicable.
W	Restricted requisitioning-special instructions apply. Indicates stock number has been assigned to a generic item for use in bid invitations, allowance lists, and so forth, against which no stocks are ever recorded. Requisitions will be submitted only according to IMM/Army requisition procedures. (This code will be used, when applicable, together with phrase code S (stock as).) It can be used when a procurement source becomes available. The phrase code "S" and the applicable "stock as" stock number will then be used in stock, store, and issue actions.
X	Semiactive item-no replacement. A potentially inactive stock number that must be retained in the supply system as an item of supply because— a. Stocks of the item are on hand or in use below the wholesale level. b. The item is reflected in equipment authorization documents, TOE, tables of allowance, technical manual (TM), and so forth. c. "In use" assets are being reported. (1) Items are authorized for central procurement but not authorized for stock at the wholesale level. (2) Requisitions for "in use" replacement will be authorized according to Army directives. (3) Requisitions may be submitted as requirements generate. Constant demands may dictate an AAC change to permit wholesale stockage.
Y	Terminal item. Further identifies AAC V items on which wholesale stocks have been exhausted. Future procurement is not authorized. a. Requisitions will not be processed to the wholesale suppliers. b. Requisitioning may continue according to requisitioning policies. (See note 2.)

**Table 3-2**  
**Acquisition advice codes—Continued**

Code	Explanation
Z	Insurance/numeric stockage objective item. Items that are required occasionally and prudence dictates that a small amount of materiel be stocked because of the need for the lead time of the item. a. The item is centrally managed, stocked, and issued. b. Requisitions will be submitted according to IMM and Army requisitioning procedures.

Notes:

<sup>1</sup> The source of supply shown in positions 30-32 of the IDS will be a DLA center or the GSA with the special requirements code D (DLA) or S (GSA) in position 66 of the IDS. Special requirements code D designates the source of supply modifier JDS identifying DLA supply schedule items; S designates source of supply modifier JDS identifying GSA supply schedule items.

<sup>2</sup> AAC Y will be used to identify DOD nonstandard items, which are not to be requisitioned by Army activities; although, in some instances, the integrated manager may continue to procure, stock, and supply non-Army agencies.

*c. Activity or file originator code.* LOGSA uses multi-position alphanumeric codes to identify activities when exchanging data. There are two types of codes assigned. Those assigned to AMDF file originators and those assigned to AMDF recipients.

(1) *AMDF originator code.* AMDF originator codes are assigned by DLIS. These codes are used by the AMDF file originators when transmitting data to DLIS, other services, or LOGSA; or receiving data from DLIS, other services, or LOGSA.

(2) *AMDF recipient activity code.* AMDF recipient activity codes are assigned by LOGSA. Single source recipients are automatically furnished an activity code by LOGSA. These activity codes are alphanumeric codes and are assigned according to the AMDF data received. Those activities receiving AMDF data through the distribution subsystem and the ATDS will be assigned a 3-position alphanumeric code. Those receiving AMDF data through the AIRS and also ARIL data will be assigned a 2-position alphanumeric code. Activities that are not AMDF recipients but wish to receive services provided by LOGSA will contact LOGSA for a code assignment (table 3-3).

*d. Air commodity and special handling (ACSH) code.* The ACSH code is a 1-position alphanumeric code used for all air shipments (table 3-4). It identifies material for invoice and customs requirements and denotes cargo needing special handling or reporting. This code is in the freight segment of the AMDF.

**Table 3-3**  
**Activity code/file originator code**

Activity code	AMDF originators	Routing identifier code
AJ	U.S. Army Soldiers, Biological and Chemical Command Natick, MA 01760	A12
AM	U.S. Army Medical Materiel Agency Frederick, MD 21702-5001	B69
AN	USAMC Logistics Support Activity Redstone Arsenal, AL 35898-7466	N/A
AZ	U.S. Army Tank-Automotive Command Warren, MI 48397-5000	AKZ
BD	U.S. Army Aviation and Missile Command Redstone Arsenal, AL 35898-5230	B64
BF	U.S. Army Armament and Chemical Acquisition Logistics Activity Rock Island, IL 61299-6000	B14
CA	U.S. Army Soldiers Biological and Chemical Command, U.S. Army Support Organization Philadelphia, PA 19101	AP5
CD	U.S. Army War Reserve Command, Materiel Management Team New Cumberland, PA 17070-5008	A35
CL	U.S. Army Communications-Electronics Command and Ft Monmouth Fort Monmouth, NJ 07703-5006	B16
CM	U.S. Army CECOM Communications Security Logistics Activity Fort Huachuca, AZ 85613-7090	B56
CT	U.S. Army Aviation and Missile Command Redstone Arsenal, AL 35898	B17

**Table 3-3**  
**Activity code/file originator code—Continued**

Activity code	AMDF originators	Routing identifier code
CU	U.S. Army Communications-Electronics Command and Fort Monmouth Fort Monmouth, NJ 07703-5006	B46

**Table 3-4**  
**Air commodity and special handling code**

Code	Description
<b>First positions (alpha-numeric), commodity</b>	
A	Supplies and equipment for aircraft and aerial targets, including aircraft and maintenance parts; aircraft accessories, aircraft instruments and laboratory test equipment; aerial targets and gliders, aircraft/missile technical order compliance kits; aerial delivery equipment, tailored tarpaulins; and so forth.
B	Construction materials, including paint and related materials, prefabricated building, wood and wood products, metal and composition materials and their products, commercial hardware and miscellaneous items, cement, asphalt, building maintenance materials, and so forth.
C	Chemical corps items and all other chemicals not covered in other classifications. When chemical item (as indicated by DOT proper shipping name) is sensitive, second position must be selected from special handling codes for arms, ammunition, and explosives.
D	Animals.
E	Engineer supplies, except those listed under code B.
F	Fuels, and lubricants, including gases; fuels and lubricating supplies and equipment; gas generated supplies and equipment, other than noxious gases.
G	Printed forms, publications, drawings, and so forth.
H	Signal Corps supplies and equipment, including radio equipment and supplies, communications equipment and supplies, electrical equipment and supplies, and so forth.
J	Unaccompanied baggage authorized air movement.
K	Clothing, parachutes, including clothing equipment, except arms and chemical supplies, cordage, fabrics, and leathers, and so forth.
L	Armed Forces Courier Service materiel, includes communication documents, cryptologic equipment, and State Department diplomatic materiel.
M	Medical supplies.
N	Ship's parts, Navy.
P	Photographic supplies and equipment, including training films.
Q	Plants, plant products, insects, mites, nematodes, mollusks, soil, meat (other than rations), animal products, vectors and cultures of animal and plant diseases.
R	Rations and subsistence supplies.
S	Office and school supplies and equipment, including office machines, furniture and stationery; school supplies and equipment, special training films, and so forth.
T	Household goods.
U	Mail.
V	Vehicles, machinery, shop and warehouse equipment and supplies, including special tools and equipment, ground servicing and special purpose vehicles, marine equipment and supplies, repair and maintenance parts for the above.
X	Intelligence materials, including maps, charts, data, and information vital to, but not limited to, the following military functions: flight safety, escape and evasion, current offensive/defensive operations, foreign clearance requirements, targeting, National Aeronautics and Space Administration projects.
Y	Personnel services.
Z	Human remains.
2	Weapons (all types). When a 2 is indicated in the first position, then the special handling code must be determined from special handling codes (second position).
3	Ammunition (all types). When a 3 is indicated in the first position, then the special handling code must be determined from the special handling codes (second position). If the primary hazard of the ammunition item is chemical (irritant, corrosive, oxidizer) in nature, as indicated by the DOT proper shipping name, use air commodity code C.

**Table 3–4**  
**Air commodity and special handling code—Continued**

Code	Description
4	Explosives (any item that has an explosive characteristic that does not fall under the ammunition code 3 above). When a 4 is indicated in the first position, then the special handling code must be assigned from the special handling codes (second position).

**Second position-special handling:**

A	Hazardous material requiring hand-to-hand receipt.
B	Whole blood.
D	Hazardous material includes all regulated items other than special weapons and their components.
E	Aircraft engine drained and purged (DD Form 1387-2 (Special Handling Data/Certification) must so certify).
F	Foodstuffs requiring normal refrigeration.
G	Aircraft engines drained and purged (DD Form 1387-2 must certify to that effect.)
H	Special weapons, including hazardous components.
I	Inbound shipment.
J	Materiel normally hazardous, rendered non-hazardous for shipment processing. (DD Form 1387 (Military Shipping Label) must certify to that effect.)
K	Materials that must be accompanied by a military courier and when required under armed guard.
L	Sets or systems that must move together to the consignee.
P	Cargo requiring protection from freezing.
Q	Extremely fragile items including delicate instruments.
R	Revenue.
T	Cargo requiring both normal refrigeration and hand-to-hand receipt.
U	Perishable cargo requiring refrigeration only.
V	Vaccine.
W	Highly perishable cargo requiring subfreezing refrigeration and hand-to-hand receipt.
X	Highly perishable cargo requiring both subfreezing refrigeration and hand-to-hand receipt.
Y	Protected cargo, other than above, including sensitive cargo requiring hand-to-hand receipt and/or security precautions.
Z	No special handling required.

**Second position-special handling: Arms, ammunition, and explosives. When first position is C (when sensitive), 2, 3, or 4. (See note 1.)**

1	<p>Highest sensitivity: Category I, Arms, Ammunition and Explosives</p> <p>a. Arms. Category I, non-nuclear missiles and rockets in a ready to fire configuration (for example, Hamlet, Redeye, Stinger, Dragon, light anti-tank weapon (LAW), and Viper). This category also applies in situations where the launcher tube and the explosive rounds, though not in a "ready to fire" configuration are jointly stored or transported.</p> <p>b. Ammunition and explosives. Category I, explosive complete rounds or category I missiles and rockets. (See a above.)</p>
2	<p>Highest sensitivity: category II, arms, ammunition, and explosives.</p> <p>a. Arms. Category II, arms, light automatic weapons up to and including .50 caliber.</p> <p>b. Ammunition.</p> <p>(1) Hand or rifle grenades, high explosives, and white phosphorus.</p> <p>(2) Mines, antitank, and antipersonnel (unpacked weight of 50 lbs. Or less each).</p> <p>c. Explosives.</p> <p>(1) Used in demolition operations (for example, C-4, military dynamite and trinitrotoluene.</p> <p>(2) High explosive warheads for missiles and rockets other than category I (unpacked weight of 50 lbs. or less each).</p>
3	<p>Moderate sensitivity: category III, arms, ammunition, and explosives.</p> <p>a. Arms.</p> <p>(1) Launch tubes and grip stock for stinger missile.</p> <p>(2) Launch tube, sight assembly, and grip stock for Hamlet and Redeye missiles.</p> <p>(3) Tracker for Dragon missiles.</p> <p>(4) Mortar tubes excluding the 4.2 inch.</p> <p>(5) Grenade launchers.</p> <p>(6) Rocket and missile launchers (unpacked weight of 100 lbs. or less each).</p> <p>(7) Flame throwers.</p> <p>(8) The launcher and/or missile guidance set and/or the optical sight for the tow.</p> <p>b. Ammunition.</p> <p>(1) Ammunition .50 caliber or larger, with explosive filled projectile (unpacked weight of 100 lbs. or less each).</p> <p>(2) Grenades, incendiary, and grenade fuzes.</p>

**Table 3-4**  
**Air commodity and special handling code—Continued**

Code	Description
	c. Explosives. (1) Blasting caps. (2) Supplementary charges. (3) Bulk explosives. (4) Detonating cord.
4	Low sensitivity: category IV, arms, ammunition, and explosives. a. Arms. (1) Shoulder fired weapons, other than grenade launchers, not fully automatic. (2) Handguns. (3) Recoilless Rifles up to and including 90mm. b. Ammunition. (1) Ammunition with nonexplosive projectile (unpacked weight of 100 lbs. or less each). (2) Fuzes (except for grenade fuzes). (3) Grenades, illuminator, smoke, practice, and tear producing (CS/CN). c. Chemical items. (1) Incendiary destroyers. (2) Riot control agents (100 pounds package or less) d. Ammunition for weapons in categories II through IV not otherwise categorized.
5	Highest sensitivity: category I, arms ammunition, and explosives with a security classification of secret.
6	Highest sensitivity: category I, arms, ammunition, and explosives with a security classification of "confidential."
8	Highest sensitivity: category II, arms, ammunition, and explosives with a security classification of "confidential."
C	Materiel classified as "Confidential" but which does not meet code 6 or 8 criteria.
M	Noncontrolled ammunitions excluded from categories I through IV above although reflected as pilferable on the shipment release document. Does not require protection other than that based on the class/degree and hazard/explosive. If none of those characteristics are present, protection will be the same as that provided other pilferable items.
N	Nonsensitive weapons that are not covered in the above categories although reflected as pilferable on the DD Form 1348-1A (Issue Release/Receipt Document), do not require protection other than what is normally afforded under items as televisions, radios, typewriters, hand tools, and so forth.
S	Material classified as "Secret" but which does not meet code 5 criteria.
Z	No special handling required. (Inert components of commodity of 2, 3, and 4 materiel will be assigned this special handling code.)

**Second position: (numeric), Special Handling Code, use when first position is code U (mail):**

1	Registered mail. Letter mail. Command pouches. Weapons system pouches. Casualty reporting pouches. Priority parcels.
2	Military official mail (MOM). Second class, third and fourth class mail marked MOM.
3	Space-available mail and parcel air lift
4	Overseas destined and intracommand surface mail.
7	Empty mail bags.
9	Retrograde surface mail.

**Notes:**

Use codes 1, 2, 3, and 4 for unclassified materiel only. Materiel with a special handling code of 5, 6, or 8 will be stored and transported according to the provisions of DOD 5100.76-M or DOD 5200.1-R, whichever is most stringent.

*e. Air dimension code (ADC).* The ADC is a 1-position alphabetic code that identifies dimensional features of air shipments, pallets, or containers by relating them to dimensional restrictions of compatible aircraft. (See DOD 4500-32-R for specific code explanations.) This code is in the freight segment of the AMDF (table 3-5).

*f. Air eligible category (AEC) code.* The AEC is a 1-position numeric code that identifies an item as qualified or provisionally qualified for air shipment or as disqualified from air shipment. This code is used in support of the air lines of communication (ALOC) and its use is mandatory only in support of the ALOC. This code is mandatory for all items in class of supply IX (repair parts) and class of supply II (clothing, individual equipment, tentage, tool sets and tool kits, hand tools, administrative and housekeeping supplies and equipment (table 3-6). This code is in the item data segment of the AMDF.

**Table 3-5**  
**Air dimension codes**

Code	Description
A	Shipment does not exceed 72 inches in any dimension (length, width, or height).
C	Consolidated shipments (shipments of multiple requisitions) does not exceed 72 inches in any dimension (length, width, or height).
D	Consolidated shipments (shipments of multiple requisitions) with measurements greater than 72 inches in any dimension (length, width, or height).
Z	Shipment does exceed 72 inches in any dimension (length, width, or height).

**Table 3-6**  
**Air eligible category codes**

Code	Explanation
1	Item is provisionally qualified for air shipment. This item will be routinely transported by air on a space available basis.
3	Item is qualified for air shipment. This item will be routinely (mandatory) transported by air.
5	Item is disqualified from air shipment. This item will not be transported by air.

**Notes:**

On initial entry of a class IX or II item into the AMDF, LOGSA will assign the correct AEC based on established criteria. Items assigned AEC 1 will be subject to the established criteria each time a change occurs.

*g. Automatic data processing equipment (ADPE) identification code.* The ADPE identification code is a 1-position alphanumeric code that identifies an item of ADPE or containing ADPE as provided by Act of 30 October 1975, Public Law 89-306, volume 79, U.S. Statute at Large, p. 1127. This code is stored internally by LOGSA (table 3-7), and is in the special Army data segment of the AMDF.

*h. Automatic return item (ARI) code.* The ARI code is a 1-position alphabetic code that indicates items in a critical stock position that may be returned to CONUS depots without disposition instructions as provided in AR 710-1. This code is in the item data segment of the AMDF (table 3-8).

*i. Controlled inventory item code (CIIC).* The CIIC, formerly the physical security/arms, ammunition and explosives security risk/pilferage code, identifies the security classification, security risk or pilferage controls required for storing and transporting DOD assets. (See table 3-9 for codes and explanations.) This code is in the item data segment of the AMDF.

*j. Criticality Code (CC), Federal Item Identification Guide (FIIG).* The CC is a one-position alphabetic code which indicates that an item is technically critical by reason of tolerance, fit restriction, application, nuclear hardness properties or other characteristics which affect identification of the item. (See Table 3-10 for codes and explanations.)

*k. Decimal locator (DL) code.* The DL is a 1-position numeric code that identifies the position of the decimal in the measurement quantity and conversion factor. This code is the item data segment of the AMDF (table 3-11).

*l. Demilitarization (DEMIL) code.* The DEMIL code is a 1-position alphabetic code instructing the user on the method and degree to demilitarize items when required. This code is in the item data segment. (See table 3-12 for codes and explanations.)

**Table 3-7**  
**ADPE identification codes 1**

Code	Definition
0	Represents items with no automatic data processing (ADP) components.
1	Analog central processing units (CPUs). Represents only CPUs that accept as input the electrical equivalent of physical conditions such as flow, temperature, pressure angular position, or voltage and perform computations by manipulating these electrical equivalents to produce results for further use. (See note 2.)
2	Digital CPUs. Represents only CPUs that accept information represented by digital impulses. Specifically, a device capable of performing sequences of arithmetic and logic operations (a program) not only on data but also on the program which is in its internal memory (storage) without intervention of an operator. (See note 3.)
3	Hybrid CPUs. Represents only CPUs that have a combination of analog and digital capability as defined in codes 1 and 2 and which have conversion capability required for intercommunication.

**Table 3-7**  
**ADPE identification codes 1—Continued**

Code	Definition
4	ADP input/output storage devices. The input device is used for transferring data and instructions into a CPU. The output device is used to transfer results of processing by the CPU onto printed forms, punched cards, and magnetic media. Input and output devices combine the above functions in the same device. This class also includes data transmission terminals, batch terminals, and display terminals that are specially designed or modified to be used in conjunction with digital, analog, or hybrid CPUs. It includes modems when they are integral to the terminal. It also includes storage devices in which data can be inserted, retained, and retrieved for later use.
5	ADP accessory equipment. Represents accessory equipment, which is considered to be a component, device, or unit that is related directly to and essential in the operation of ADPE. Included in this class are complete units and components of related general purpose accessory equipment which are used as part of a system such as weapon system, control system, missile system, communication system, or navigational system. It also encompasses various units or devices and associated control units that are used in combination or conjunction with the ADPE configuration but are not part of the configuration itself.
6	Punched card equipment. Represents collating machines, key punch machines; tabulating machines; verifier; reproducer; summary punch, sorter; interpreter. (See note 4.)
7	ADP supplies and support equipment. Represents consumable supplies such as paper, tabulating machine, continuous flat fold; paper, tabulating machine, sheet; seal bands, tape, ADP; empty reels and hubs, tape, ADP; canisters, tape, ADP; carrying cases, tape, ADP. Also included are support equipment such as magnetic tape testing, certifying, and cleaning equipment; disk pack testing; tape equipment winders, splicers, and card reconditioners.
8	ADP components. Represents ADP component assemblies that are parts of analog, digital, or hybrid data processing devices.
9	To be assigned to an item containing embedded ADPE. (See note 5.)

Notes:

<sup>1</sup> Codes 1 through 6 are only used when the item is ADPE in its entirety and is limited to the type meeting only 1 through 6 criteria.

<sup>2</sup> An analog is a representation of one form of a physical condition existing in another form. (For example, the level of mercury in a tube represents temperature in a thermometer; the angular position of a needle represents speed on a speedometer.) Excludes CPUs that have both analog and digital capability.

<sup>3</sup> Digital refers to the representation of discrete numbers, symbols, and alphabetic characters by a predetermined, coded combination of electrical impulses. Excludes CPUs that have both analog and digital capability.

<sup>4</sup> Card-actuated machines are excluded when cable-connected to a CPU.

<sup>5</sup> Meets one or more of the definitions for codes 1 through 6.

**Table 3-8**  
**Automatic return item codes**

Code and type actions	Retail shipment processing instructions (See notes 1, 2, and 3)
E-EXPEDITE-items qualifying (see AR 710-1, chap 3.)	Automatic return 03 PRI  DIC FTA project ARI Serviceable (cc-A, B, C, and D) to area oriented depot (AOD) and unserviceable (reparable cc-E, F, and G) per ARIL instructions.
C-CRITICAL-wholesale asset position below the requirements objective.	Automatic return 06 PRI  DIC FTA project ARI Serviceable (cc-A, B, C, and D) to AOD and unserviceable (reparable cc-E, F, and G) per ARIL instructions.
R-REGULAR-wholesale asset position above the requirements objective.	Automatic return 13 PRI  DIC FTA project ARI Serviceable (cc-A, B, C, and D) to AOD and unserviceable (reparable cc-E, F, and G) per ARIL instructions.
S-SPECIAL-special projects requirements.	Automatic return 06 PRI  DIC FTA Project ARI Both serviceable and unserviceable (cc-A, B, C, D, E, F, and G) Return to only one location per ARIL instructions.
N-Nonconsumable item management support code (NIMSC) 5 items-Army is the SICA.	Unserviceable condition codes E and F  Automatic Return 03 PRI DIC FTA Project 3AL or blank per ARIL instructions.
M-NIMSC 5 ITEMS-Army is the SICA.	Unserviceable condition codes E and F

**Table 3–8**  
**Automatic return item codes—Continued**

Code and type actions	Retail shipment processing instructions (See notes 1, 2, and 3)
	Automatic Return 06 PRI DIC FTA Project 3AL or blank per ARIL instructions.
D DELETE	

Notes:

<sup>1</sup> When processing shipments for items with ARI codes E or N, assign priority designator (PD) 03; for items with ARI codes C, S, or M, assign PD 06; and for items with ARI code R, assign PD 13. (This change has been authorized by USAMC) DOD 4500.32-R Vol 1 state transportation priorities are based on Uniform Materiel Movement and Issue Priority System priority designator and time standards. Therefore, Army policy must comply with these regulations.

<sup>2</sup> NIMSC 5 items that are serviceable will be processed as materiel returns program (MRP) using AR 725-50. Recoverability coded D and L items in condition code H will be processed as MRP using AR 725-50.

<sup>3</sup> (See AR 725-50, chapter 7, for FTA instructions.)

**Table 3–9**  
**Controlled inventory item codes**

Code	Explanation
<b>Classified item codes</b>	
A	CONFIDENTIAL-formerly restricted data.
B	CONFIDENTIAL-restricted data.
C	CONFIDENTIAL.
D	CONFIDENTIAL-cryptologic.
E	SECRET-cryptologic.
F	TOP SECRET-cryptologic.
G	SECRET-formerly restricted data.
H	SECRET-restricted data.
K	TOP SECRET-formerly restricted data.
L	TOP SECRET-restricted data.
O	Contact the source of supply for disposal and limitations. Store and handle in a manner that will prevent unauthorized access to this material.
S	SECRET.
T	TOP SECRET.
U	UNCLASSIFIED.
7	Item assigned a demilitarization code other than A, B, or Q for which another CIIC is inappropriate. The loss, theft, unlawful disposition, or recovery of an item in this category will be investigated according to DOD 4000.25-2-M and DOD 7200.10-M.
9	Controlled cryptographic item (CCI). CCI is described as secure telecommunications or information handling equipment, associated cryptographic component, or other hardware item, which performs a critical COMSEC function. Items so designated are unclassified but controlled and will bear the designation Controlled cryptographic item or CCI.
<b>Sensitive items codes</b>	
1	Highest sensitivity (Category I)-Nonnuclear missiles and rockets in a ready-to-fire configuration (for example, Hamlet, Redeye, Stinger, Dragon, LAW, VIPER), and explosive rounds for non-nuclear missiles and rockets. This category also applies when the launcher (tube) and the explosive rounds, though not in a ready-to-fire configuration are jointly stored or transported.
2	High sensitivity (Category II)-Arms, ammunition, and explosives.
3	Moderate sensitivity (Category III)-Arms, ammunition, and explosives.
4	Low sensitivity (Category IV)-Arms, ammunition, and explosives.
5	Highest sensitivity (Category I)-Arms, ammunition, and explosives with a physical security classification of Secret. (See note 1.)
6	Highest sensitivity (Category I)-Arms, ammunition, and explosives with a physical security classification of Confidential. (See note 1.)

**Table 3–9**  
**Controlled inventory item codes—Continued**

Code	Explanation
8	High sensitivity (Category II)-Arms, ammunition, and explosives with a physical security classification of Confidential. (See note 1.)
Q	A drug or other controlled substance designated as Schedule III, IV, or V item, according to Act of 27 October 1970, Public Law 91-513, volume 84. U.S. Statute at Large, p. 1236. Other sensitive items requiring limited storage.
R	Precious metals. A drug or other controlled substance designated as Schedule I or II item, according to Act of 27 October 1970, Public Law 91-513, volume 84, U.S. Statute at Large, p. 1236. Other selected sensitive items requiring storage in a vault or safe.

**Pilferage codes**

J	Pilferage-Pilferage controls may be designated by the coding activity to items coded U (UNCLASSIFIED) by recoding the items to J.
I	Aircraft engine equipment and parts.
M	Hand tools and shop equipment.
N	Firearms.
P	Ammunition and explosives.
V	Individual clothing and equipment.
W	Office machines.
X	Photographic equipment and supplies.
Y	Communication/electronic equipment and parts.
Z	Vehicular equipment and parts.

Notes:

Items coded 5, 6, or 8 will be stored and transported according to DOD 1500.76-M or DOD 5200.1-R, whichever is more stringent.

**Table 3–10**  
**Criticality codes, Federal item identification guide**

Code	Explanation
C	The item has critical features such as tolerance, fit restrictions or application. Nuclear hardness properties have not been determined. (Not valid for input).
E	The item is a Flight Safety Critical Aircraft Part (FSCAP) and is specifically designed to be or selected as being nuclear hard.
F	The item is a Flight Safety Critical Aircraft Part (FSCAP).
H	The item is specifically designed to be or selected as being nuclear hard, i.e., it will continue to perform its designed function in an environment created by a nuclear explosion. The item does not have other critical features.
M	The item is specifically designed to be or selected as being nuclear hard. In addition the item has other critical features such as tolerance, fit restrictions or application.
N	The item does not have a critical feature such as tolerance, fit restrictions or application. Nuclear hardness properties have not been determined. Not valid for input.
X	The item does not have a nuclear hardened feature or any other critical feature such as tolerance, fit restrictions or application.
Y	The item does not have a nuclear hardened feature but does have other critical feature(s) such as tolerance, fit restrictions or application.

Notes:

<sup>1</sup> (See DRN 3843 for format and definition.)

<sup>2</sup> Assignment of Criticality Codes H or M requires a specific statement on the drawing and/or technical documentation (or other written substitution) that the item is nuclear hardness critical item.

**Table 3–11**  
**Decimal locator codes**

Code	Explanation
0	Whole number (no decimal).
1	Decimal equals tenths-.1.
2	Decimal equals hundredth-.01.
3	Decimal equals thousandth-.001.
4	Decimal equals ten-thousandths-.0001.

**Table 3–12**  
**Demilitarization codes**

Code	Explanation
A	Non-munitions list item (MLI)—demilitarization not required.
B	MLI-demilitarization not required.
C	MLI-remove or demilitarize installed key points outlined in DOD 4160.21-M-1 or lethal parts, components, and accessories.
D	MLI-demilitarize by mutilation (make unfit for intended purpose) by melting, cutting, tearing, scratching, crushing, breaking, punching, neutralizing, and so forth. (As an alternative, burial or deep water dumping may be used when authorized.)
E	MLI-demilitarize by burning, shredding, or pulping.
F	MLI-demilitarize instructions to be furnished by item manager.
G	MLI-demilitarization required-ammunition, explosives, and other dangerous articles (AEDA). Demilitarization and, if required, declassification and removal of sensitive markings or information will be accomplished before physical transfer to a Defense Reutilization and Marketing Office (DRMO). This code will be used for all AEDA items including those that also require declassification and removal of sensitive markings or information
P	MLI (security classified item)—declassification, and any other required demilitarization, and removal of any sensitive markings or information will be accomplished before accountability or physical transfer to a DRMO. This code will not be assigned to AEDA items.
Q	Strategic list item-mutilate to the extent necessary to preclude restoration to normal use and prevent recovery of essential component parts or assemblies (overseas only). Mutilation not required in the United States, Puerto Rico, American Samoa, Guam, The Trust Territory of the Pacific Islands, and the Virgin Islands. Mutilation requirements may be waived if purchaser elects to ship item to the United States under controls stipulated in the terms and condition of sale.

*m. Department of Defense identification code.* The DODIC is a 1-position alphanumeric code assigned to a generic description of an item of supply in Federal Supply Group (FSG) 13, (ammunition and explosives), and FSG 14, (guided missiles). DODIC, which range in values from A001 through Z999 and AA01 through ZZ99, are in SB 700-3. The DODIC is in the item identification segment and in the I&S segment, section III, parts 1 and 2 of the AMDF.

*n. Document identifier code (DIC).* The DIC is a 3-position alphanumeric code (table 3-13). DICs listed in this table are used to—

- (1) Transmit data from AMDF file originators to LOGSA.
- (2) Transmit data from LOGSA to AMDF file originators.
- (3) Make inquiries to LOGSA and provide responses to inquiries from LOGSA.

**Table 3–13**  
**Document identifier codes (DIC)**

DIC	Explanation
<b>Group 11–National/NATO/Interim stock number change</b>	
C11	Change in stock number.
C21	Change in stock number and unit of issue.
C31	Change in stock and price.
C41	Change in stock number and materiel category structure.
C51	Change in stock number, unit of issue, and price.
C61	Change in stock number, unit of issue, and materiel category structure.
C71	Change in stock number, price, and materiel category structure.
C81	Change in stock number, unit of issue, price, and materiel category structure.
C91	Any DIC group 1 change plus miscellaneous (DIC)(group 6) change, single or multiple, except changes in DIC groups 7, 8, 9, and 0. (See note 1.)
<b>Group 2–Unit-of-issue change</b>	
C22	Change in unit of issue.
C52	Change in unit of issue and price.
C62	Change in unit of issue, and materiel category structure.
C82	Change in unit of issue, price, and materiel category structure.
C92	Any DIC group 2 change plus miscellaneous (DIC group 6) change, single or multiple, except changes in DIC groups 1, 7, 8, 9, and 0.
<b>Group 3–Price changes</b>	
C33	Change in price.
C83	Change in price and materiel category structure.
C93	Any DIC group 3 change plus miscellaneous (DIC group 6) change, single or multiple, except changes in DIC groups 1, 2, 7, 8, 9, and 0.
<b>Group 4–Materiel category structure changes</b>	
C44	Change in materiel category structure.
C94	Change in materiel category structure plus miscellaneous (DIC group 6) change, single or multiple, to reflect a change in retail management except changes in DIC groups 1, 2, 3, 7, 8, 9, and 0.
<b>Group 5–Stock number/item relationships</b>	
C05	Refer to reference document (phrase code Q or R).
C35	Replace by assembly, assortment, or kit (phrase codes Q or R).
C55	Discontinued, replaced, condemned, or disposed of, with or without replacement (phrase codes F, L, N, T, V, or Z).
C75	Correct or dissolve item relationship. To be used to correct the related stock number and phrase codes F, L, N, P, Q (with document number), and Z only. Phrase codes A or C can be deleted only by reinstating the items with DIC C08 or C98. When used to reflect the dissolved item relationships, the phrase code field will be blank and the related stock number will be zero-filled.
C85	Change in I&S indicator code (LOGSA generated).
C95	Any DIC group 5 change except DIC C75, plus miscellaneous (DIC group 6) change, single or multiple, except changes in DIC groups 1, 2, 3, 4, 7, 8, 9, and 0.
<b>Group 6–Miscellaneous changes</b>	
C16	Change in physical security code.
C26	Change in acquisition advice code.
C56	Change in accounting requirements code.
C66	Item data segment change (input to LOGSA only).
C76	Change in shelf life code.
C86	Change in reportable item control code.

**Table 3-13**  
**Document identifier codes (DIC)—Continued**

DIC	Explanation
C96	Any combination of DIC group 6 changes and/or miscellaneous change, single or multiple, not cited as group 6, except changes in DIC groups 1, 2, 3, 4, 5, 7, 8, 9, and 0.
<b>Group 72—Withdrawals</b>	
C07	Logistics reassignment (logistic loss)—transfer from DLA, GSA, and other military services inventory management with a change in retail management not involving a stock number change. The routing identifier code of the gaining manager will be entered in positions 61-63.
C17	Logistics reassignment (logistic loss)—Inventory management transfer from within Army to activities outside of Army not involving a stock number change. The routing identifier code of the gaining manager will be entered in positions 61-63.
C27	Logistics reassignment (logistic loss)—Inventory management transfer within Army not involving a stock number change. The routing identifier code of the gaining manager will be entered in positions 61-63.
C37	<p>Delete-remove from system. Use when the item manager determines that no Army, International Logistics Program (ILP), or MAP interest exists for the item. Army has deleted the stock number from the Logistics Information System total item record and has withdrawn user interest, or all services have withdrawn interest on the item. The following restrictions apply:</p> <ol style="list-style-type: none"> <li>For item manager—before submitting C37 action to LOGSA, the following conditions must be met: <ol style="list-style-type: none"> <li>Phrase code L, M, N, P, T, V, or Z must have been issued in the ACLDB for 28 days before the effective date of the delete action. Delete can only be made 28 days after the last action.</li> <li>When phrase codes L, N, P, T, V, or Z apply, the phrase code must be perpetuated in the delete action. When the item data record (DIC C37) is being deleted and I&amp;S, component, or equivalent item phrase codes apply, the correct delete transactions must be made to the identical stock numbers in the I&amp;S, component, and equivalent item segments, as applicable. The LOGSA will add this record to the I&amp;S and the component history files.</li> <li>Total Army stock, controlled by the item manager, has been exhausted, or disposition instructions issued to the wholesale storage activities, and the stock number has been deleted from all active records of the wholesale supply system.</li> <li>No Army/ILP (to include map, grant aid, foreign military sales, and supply support arrangements) interest exists in the system.</li> <li>The stock number has been deleted from SB 700-20.</li> </ol> </li> <li>Recipients of the AMDF—other than CONUS depots— <ol style="list-style-type: none"> <li>When the C37 action is received and phrase code L, M, N, P, T, V, or Z has not been previously established (28 days), stop processing the C37 action and notify, in writing, the item manager identified by position 1 of the materiel category structure code. Send an information copy to LOGSA, ATTN: AMXLS-ML, Redstone Arsenal, AL 35898-7466.</li> <li>If a change to the stock status of an item has previously been received and there is no stock on hand, but stock is due in, send an inquiry or follow-up to the last known source of supply (based on the requisition status or advice record). This will assure supply of the replacing item (positions 48-60) is received and not supply of the replaced item (positions 8-20).</li> <li>Under specific conditions, if assets are on hand at the user level at the time the C37 delete record is received, the C37 action will be suspended until all stock is exhausted.</li> <li>If conditions outlined above do not apply, recipients will update their internal files or records with the C37 action.</li> </ol> </li> <li>CONUS depots—notify the Army owner for disposition instructions if stock is on hand or due in. If DLA, GSA, and other military services have stock on hand, no request will be made to those owners for disposition instructions unless a C7D action has been received. The stock number will stay on the depot records until all owners send delete actions. (When used, the input DIC C37 record must be an exact image of the management data on file, except for the DIC and effective date.)</li> </ol>
C47	Logistics reassignment (logistic loss)—Results from transfer of inventory management from DLA, GSA, and other military services to Army NICPs not involving a stock number change. The routing identifier code of the gaining manager will be entered in positions 61-63.
C57	Logistics reassignment (logistic loss)—Transfer from DLA, GSA, and other military services to another manager either DAL, GSA, another military service, or Army resulting from a stock number change. This DIC will always contain phrase code A or D and must be processed the same as a group 1 DIC by recipients. The routing identifier code of the gaining manager will be entered in positions 61-63.
C77	Logistics reassignment (logistic loss)—Transfer from Army to another manager, either Army, DLA, GSA, or another military service, resulting from a stock number change. This DIC will always contain phrase code A or D and must be processed the same as a group 1 DIC by recipients. The routing identifier code of the gaining item manager will be entered in positions 61-63.
C87	Logistics reassignment (logistic loss)—Transfer from DLA, GSA, and other military services to DLA, GSA, and other military services inventory management not involving a stock number change. The routing identifier code of the gaining manager will be entered in positions 61-63.
C97	This DIC provides file originators a way to withdraw an incorrect stock number record (positions 8-20) from the file. This code applies only to items if complete removal of an incorrect stock number record (positions 8-20) from the file is desired. History or cross-reference records will not be established. The C97 must be an exact copy (4-80 duplicated) of the incorrect stock number record except for the document identifier code.
<b>Group 8—Gains</b>	
C08	Reinstated item with a related stock number and phrase code-added stock number to the AMDF. (DIC C98 applies if no related stock number is applicable). Requires processing by recipients as a group 5 DIC).
C18	New item-added stock number to the AMDF. (Excludes materiel management transfers and reinstated items.) (Use DIC C68 if a related stock number and phrase code applies).

**Table 3-13**  
**Document identifier codes (DIC)—Continued**

DIC	Explanation
C28	Logistics reassignment (logistic gain)—Inventory management transfer from activity within Army not involving a stock number change. The routing identifier code of the losing manager will be entered in positions 61-63.
C38	Logistics reassignment (logistic gain)—inventory management transfer from activity outside Army not involving a stock number change. The routing identifier code of the losing manager will be entered in positions 61-63.
C48	Logistics reassignment (logistic gain)—results from transferring inventory management from Army NIPC to DLA, GSA, and other military services, not involving a stock number change. The routing identifier code of the losing manager will be entered in positions 61-63.
C58	New stock number added to AMDF or notice of materiel management transfer resulting from stock number change. This transaction will be issued as follows: a. As a normal change notice when the addition is caused by a stock number change without a materiel management transfer involved. b. As a management transfer notice when transfer of management is involved (DIC C57-C77). When so used, positions 61-63 must contain the RIC of the losing manager.
C68	New item-added stock number to the AMDF with a related stock number and phrase code. (Use DIC C18 if a related stock number and phrase code does not apply.) (Requires processing by recipients as a group 5 DIC.)
C78	Logistics reassignment (logistic gain)—transfer from DLA, GSA, and other military services inventory management. It involves a retail management change, but not a stock number change. The routing identifier code of the losing manager will be entered in positions 61-63.
C88	Logistics reassignment (logistic gain)-transfer from DLA, GSA, and other military services to DLA, GSA, and other military services inventory management without a change in retail management. It may or may not involve a stock number change. The routing identifier code of the losing manager will be entered in positions 61-63.
C98	Reinstated item without a related stock number and phrase code (DIC C08 applies if a related stock number is applicable.)
<b>Group 9—Reserved.</b>	
<b>Group 0—Reserved.</b>	
<b>Miscellaneous codes</b>	
CBB	Add item identification segment.
CBS	Replace item identification segment.
CCB	Add history segment, section 1.
CCD	Add history segment, section 1 (add generated from a C37).
CCE	Add history segment, section 1 (add generated from a Group 1 DIC C57 or C77).
CCH	Delete incorrect data only in history segment, section 1.
CEB	Add degree of protection A record, packaging segment.
CES	Replace degree of protection A record, packaging segment.
CFB	Add freight segment.
CFK	Delete freight segment.
CFS	Replace freight segment.
CHB	Add I&S segment, section II, part 1, major item cross-reference.
CHK	Delete I&S segment, section II, part 1, major item cross-reference.
CIB	Add history segment, section 3, (add generated from DIC CWK.)
CIH	Delete history segment, section 3, incorrect data.
CJB	Add I&S segment, section I, part 1, I&S cross-reference.
CJK	Delete I&S segment, section I, part 1, I&S cross-reference.
CKB	Add I&S segment, section I, part 2, I&S group (order of use).
CKK	Delete I&S segment, section I, part 2, I&S group (order of use).
CLA	Add special Army data segment.
CLB	Add I&S segment, section III, part 2.
CLC	Change special Army data segment.
CLK	Delete I&S segment, section III, part 2.

**Table 3–13**  
**Document identifier codes (DIC)—Continued**

DIC	Explanation
CL6	Change medical user data segment.
CL7	Delete medical user data segment.
CL8	Add medical user data segment.
CNB	Add I&S segment, section III, part 1, DODAC cross-reference.
CNK	Delete I&S segment, section III, part 1, DODAC cross-reference.
COB	Add equivalent-item segment.
COK	Delete equivalent-item segment.
COS	Replace equivalent-item segment.
CPA	Add-tailorized single source data set.
CPC	Change-tailorized single source data set.
CPD	Delete-tailorized single source data set.
CPM	Change SOS tailorized single source data set.
CPQ	AMDF reconciliation record.
CPS	Standard Army Retail Supply System (SARSS) input I&S data
CPU	SARSS input UI conversion factor.
CQD	SARSS reply.
CRB	Add degree of protection B record, packaging file.
CRS	Replace degree of protection B record, packaging file.
CSB	Add degree of protection X record, packaging file.
CSN	Add notification actions (NO, NN, NP), packaging file.
CSQ	Register NSNS to SARSS SNUF file.
CSS	Replace degree of protection X record, packaging file.
CST	Replace notification actions (NO, NN, NP), packaging file.
CSX	Add supplemental packaging data record.
CSY	Replace supplemental packaging data record.
CSZ	Delete supplemental packaging data record.
CTB	Add I&S segment, section II, part 2, major item group.
CTK	Delete I&S segment, section II, part 2, major item group.
CTS	Input to the modified input data file.
CU2	New item. Unit-of-issue conversion record.
CWB	Add component segment.
CWK	Delete component segment.
CXB	Add unit-measurement-quantity record in the item data segment.
CXK	Delete unit-measurement-quantity record in the item data segment.
CXS	Replace unit-measurement-quantity record in the item data segment.
CZB	Add history segment section 2 (add generated from receipt of a DIC CJK or CHK).
CZH	Delete incorrect data in history segment, section 2.
<b>Inquiry input DICs</b>	
CQQ	Identifies AMDF segment inquiry.
CSC	Identifies selected data inquiry when unit of measure, decimal locator and quantity fields are included or required.
CSL	Identifies selected data inquiry or data element validation inquiry when unit of measure, decimal locator, and quantity fields are excluded or are not required.
<b>Inquiry reply DICs</b>	

**Table 3-13**  
**Document identifier codes (DIC)—Continued**

DIC	Explanation
CAR	Identifies a reply to an inquiry against the Army reference number file.
CDB	Identifies a tailored inquiry response record from the Army reference number file.
CDQ	Identifies an intermediate inquiry reply record generated by interpreting provisioning screening replies furnished by DLSC. It contains a CDQ message code to show record status or NSN relationships.
CDR	Inquiry reply record generated from the Army reference number file.
CQA	A message record response identifying the status of requested I&S history; history section II, records.
CQB	A message record response identifying the status of requested component history; history section III, records.
CQC	A message record response identifying the status of requested item data history; history section 1, part 1 (cross-reference) records.
CQE	A message record response identifying the status of requested item data records.
CQF	A message record response identifying the status of requested freight records.
CQH	A message record response identifying the status or requested item data history; history section I, part 2 (current number) records.
CQJ	A message record response identifying the status of request I&S cross-reference; I&S section I, part 1.
CQK	A message record response identifying the status of requested I&S group; I&S section I, part 2.
CQL	A message record response identifying the status of requested I&S major item. Cross-reference; I&S section II, part 1.
CQM	A message record response identifying the status of requested I&S major item group; I&S section II, part 2.
CQN	A message record response identifying the status of requested item identification records.
CQP	A message record response identifying the status of requested packaging records.
CQQ	Identifies rejected AMDF segment inquiries being returned to the originator. These records are a modified version of the input records; a constant AN is applied to positions 4 and 5, and an inquiry reject reason notification code will be applied to position 76.
CQR	A message record response identifying the status of requested I&S cross-reference NSN to DODAC; I&S section III, part 1.
CQS	Reserved for LOGSA use.
CQT	Message record response identifying the status of requested SB 700-20 records.
CQU	A message record response identifying status of requested special Army data segment.
CQV	A message record response identifying status of requested medical user data segment.
CQW	A message record response identifying the status of requested component item segment records.
CQX	A message record response identifying the status of requested I&S DODAC group; I&S section III, part 2.
CQY	A message record response identifying the status of the number interrogated in the Army reference number file.
CQZ	A message record response identifying the status of requested equivalent item segment records.
CSR	Identifies replies to CSC/CSL selected data inquiry and data element validation inquiry.
C00	Reserved for reply to CCSS stock control inquiry.
C11	SAILS unique inquiry reply
<b>Nonservice user item document identifier codes</b>	
C9C	Nonservice user item data change record. A record identified by this DIC contains a change from previously recorded data; this does not include logistics reassignment or stock number change.
C7D	Nonservice user item data delete record. A record identified by this DIC indicates that the NIIN will be removed from active files. If this DIC is received and assets are still in storage, inform the activity identified by the source of supply.
C8L	Nonservice user item data logistics reassignment record. A record identified by this DIC contains a new source of supply in positions 30-32; this may include a stock number change.
C8N	Nonservice user item data add record. A record identified by this DIC establishes a NIIN as a nonservice user item.
C1R	Nonservice user item data stock number change record. A record identified by this DIC contains a stock number change, that is, phrase code equal to A, C or D. This does not include logistics reassignments.
C2U	Nonservice user item unit-of-issue conversion record.
C2X	Nonservice user item unit-measurement-quantity record.

**Table 3-13**  
**Document identifier codes (DIC)—Continued**

DIC	Explanation
<b>AMDF tailored distribution system processing</b>	
CA1	Master address record card.
CA2	Master registration data card.
CTD	Stock number registration card.
CTR	DLSC interrogation results.
FSC	Recorded users of specific FSC.
FSG	Recorded users of specific FSG
INT	Mass SNUF interrogation for specific stock numbers or specific users.
<b>Hazardous materials data system</b>	
HAA	Add HMDS record input A (mandatory).
HAC	Change HMDS record input A (mandatory).
HAD	Delete HMDS record input A (mandatory).
HBA	Add record input B (radioactive items only).
HBC	Change record input B (radioactive items only).
HBD	Delete record input B (radioactive items only).
HCA	Add HMDS record input C (radioactive items only).
HCC	Change HMDS record input C (radioactive items only).
HCD	Delete HMDS record input C (radioactive items only).
HAD	Add HMDS record input D (radioactive items only).
HDC	Change HMDS record input D (radioactive items only).
HDD	Delete HMDS record input D (radioactive items only).
HEA	Add HMDS record input E (ammunition).
HEC	Change HMDS record input E (ammunition).
HED	Delete HMDS record input E (ammunition).
HFA	Add HMDS record input F (as required).
HFC	Change HMDS record input F (as required).
HFD	Delete HMDS record input F (as required).

**Notes:**

<sup>1</sup> Group 1 DIC must always contain phrase code A, C, or D and will be used only when the source of supply (positions 30-32) does not change. When a change results in a management change (phrase code A or D), DIC C57 or C77 will be used. In all such instances, the item data record change becomes a cross-reference record.

<sup>2</sup> Phrase code A, C, or D (group 1 DIC, C57, and C77) and C37 transactions, deleting the stock number in positions 8-20, result in automatic removal of the item data, unit-measurement-quantity, item identification, packaging, and freight records. LOGSA will label the deleted records as inactive, and keep the last transaction of the above segments in the LOGSA master data record for reference purposes. In addition, the above item data transactions are converted, by LOGSA and recipients, and added to the history segment.

*o. End item code (EIC).* The EIC is a 3-position alphanumeric code assigned to each end item managed or used by the Army, which meets all of the following criteria:

- (1) End items with an NSN recorded in the AMDF.
- (2) Type classified standard, low-rate production, or limited procurement-urgent per AR 70-1.
- (3) Assigned appropriation/budget activity account code A through Q inclusive.

*p. Essentiality code (EC).* The EC is a 1-position alphabetic code in the item data record used to indicate if an item is essential or not (table 3-14). Essentiality is the degree of military worth of an item of supply or how its failure, if a replacement is not immediately available, would affect the ability of the weapon system, end item, or organization, to perform its intended functions or missions. This code will be used to indicate the essentiality of end items and repair parts. This code is in the item data segment of the AMDF.

*q. Fund code (FC).* The FC is a 1-position numeric code. This code indicates the type of funds to be used to pay for Army stock fund items. This code is only applied to a few items, which require special handling (table 3-15).

**Table 3–14**  
**Essentiality codes (See note.)**

Code	Explanation
A	This code identifies essential end items.
B	This code identifies end items, which are not essential. For class VIII items, this code identifies material considered to be routine for health care and diagnosis.
C	A support item needed to support a field or organizational maintenance level. The failure of this item will render the end item inoperable (unable to move, shoot, and communicate).
D	A support item that is not needed to support an essential field maintenance or organizational maintenance function (code C), but is needed for operator or crew safety during training or in garrison.
J	Item does not qualify for essentiality code C, but is needed to prevent impairments or reduction of operational effectiveness of the end item.
K	Medical materiel considered essential for maintaining life support.
M	Medical materiel considered necessary for maintaining life support.
N	Medical materiel considered supplementary for health care.
E	A support item that is not needed to support an essential field maintenance or organizational maintenance function (code C), but is required to meet: <ul style="list-style-type: none"> <li>a. Climatic conditions.</li> <li>b. Legal requirements.</li> <li>c. Requirements of a host nation in an overseas environment.</li> </ul>
F	A support item used only at depot maintenance level.
G	A support item that is not needed to support the following: <ul style="list-style-type: none"> <li>a. An essential field maintenance or organizational maintenance function (code C).</li> <li>b. Crew or operator safety (code D).</li> <li>c. Legal or climatic requirements (code E).</li> <li>d. Depot maintenance operation (code F).</li> <li>e. Deferrable maintenance function (code J).</li> </ul>

**Notes:**

The AMDF shows only the highest code assigned of all support item to end item applications. SB 38-101 reflects the actual essentiality code for a support item by end item application.

**Table 3–15**  
**Fund codes**

Code	Explanation
1	Designates an item funded by Operation and Maintenance, Army (OMH) appropriation.
4	Designates an item for which initial issues are reimbursed from Procurement Appropriation, Army Funds.
5	Designates an item funded by Military Personnel, Army appropriation.

*r. Hazardous material (HM) code.* The HM code is a 2-position alphabetic code that represents peculiar shipping conditions. It generally indicates hazardous or dangerous article descriptions that must be shown on the bill of lading. This code is in the freight segment of the AMDF (table 3-16).

*s. An I&S deletion reason code.* The deletion reason code is a 1-position alphabetic code that explains the reason for deleting I&S data from part 1 of sections I and II of the I&S segment. I&S data deleted by reason code C will be placed in the history segment of the AMDF by LOGSA. I&S data deleted by reason codes A, B, or D will not be placed in the history segment. This code is used along with the I&S and history segments of the AMDF. (See table 3-17.)

**Table 3–16**  
**Hazardous materiel codes**

Code	Explanation
AA	Ammunition for cannon with empty projectile, class B explosive.
AB	Ammunition for cannon with explosive projectile, class A explosive.
AC	Ammunition for cannon with gas projectile, class A explosive.
AD	Ammunition for cannon with illuminating projectile, class A explosive.
AE	Ammunition for cannon with incendiary projectile, class A explosive.
AF	Ammunition for cannon with inert-loaded projectile, class B explosive.
AG	Ammunition for cannon with smoke projectile, class A explosive.
AH	Ammunition for cannon with solid projectile, class B explosive.
AI	Ammunition for cannon without projectile, class B explosive.
AJ	Chloropicrin, liquid, poison B.
AK	Ammunition for small arms with explosive projectile, class A explosive.
AL	Black powder, class A explosive.
AM	Chemical ammunition, nonexplosive, irritating material.
AN	Detonators.
AO	Irritating agent, not otherwise stated (NOS), irritating material.
AP	Booster, explosive, class A explosive.
AQ	Burster, explosive, class A explosive.
AR	Cannon primers, class C explosive.
AS	Cartridge bags, empty, with black powder igniter, class C explosive.
AT	Cartridge cases, empty, primed, class C explosive.
AU	Combination fuze, class C explosive.
AV	Combination primer, class C explosive.
AW	Cordeau detonate fuze, class C explosive.
AX	Corrosive liquid, NOS corrosive material.
AY	Radioactive material, NOS
AZ	Detonating fuze, class A explosive
BA	Detonating fuze, class A explosive, with or without radioactive components.
BB	Detonating fuze, class C explosive.
BC	Detonating primer, class A explosive.
BD	Detonators, class A or class C explosive.
BE	Electric squib, class C explosive.
BF	Explosive bomb, class A explosive.
BG	Explosive cable cutter, class C explosive.
BH	Explosive mine, class A explosive.
BI	Explosive projectile, class A explosive.
BJ	Explosive release device, class C explosive.
BK	Explosive rivet, class C explosive.
BL	Explosive torpedo, class A explosive.
BM	Diphenylaminochoroarsine, (DM), irritating material.
BN	Flammable liquid, NOS, flammable liquid.
BO	Flammable solid, NOS, flammable solid.
BP	Fuze igniter, class C explosive.

**Table 3-16**  
**Hazardous materiel codes—Continued**

Code	Explanation
BQ	Fuze lighter, class C explosive.
BR	Grenade, empty, primed, class C explosive.
BS	Grenade, hand, explosive, class A explosive.
BT	High explosive, class A explosive.
BU	High explosive, liquid, class A explosive.
BV	Igniter cord, class C explosive.
BW	Igniter, class C explosive.
BX	Igniter, jet thrust jet assisted takeoff (JATO), class A explosive.
BY	Igniter, jet thrust (JATO), class B explosive
BZ	Initiating explosive, class A explosive.
CA	Fuze, Instantaneous, class C explosive.
CB	Jet thrust unit (JATO), class A explosive.
CC	Jet thrust unit (JATO), class B explosive.
CD	Low explosive, class A explosive.
CE	Percussion cap, class C explosive.
CF	Percussion fuze, class C explosive.
CG	Poisonous liquid or gas, NOS, poison A.
CH	Poisonous liquid, NOS, poison A.
CI	Poisonous solid, NOS, poison B.
CJ	Propellant explosive, class A explosive.
CK	Propellant explosive, solid, class B explosive.
CL	Propellant explosive in water, class B explosive.
CM	Propellant explosives in water, unstable, condemned or deteriorated, class B explosive.
CN	Fuzes, railway, flammable solid.
CO	Torpedo, railway, class B explosive.
CP	Grenade, hand or rifle, explosive, class A explosive.
CQ	Rocket ammunition with empty projectile, class B explosive.
CR	Rocket ammunition with explosive projectile, class A explosive.
CS	Rocket ammunition with illuminating projectile, class A explosive.
CT	Rocket ammunition with gas projectile, class A explosive.
CU	Rocket ammunition with incendiary projectile, class A explosive.
CV	Rocket ammunition with inert-loaded projectile, class B explosive.
CW	Rocket ammunition with smoke projectile, class A explosive.
CX	Rocket ammunition with solid projectile, class B explosive.
CY	Aniline oil, liquid, poison B.
CZ	Fuze, safety, class C explosive.
DA	Safety squib, class C explosive.
DB	Signal flare, class C explosive.
DC	Small-arms ammunition, class C explosive.
DD	Small-arms ammunition, irritating cartridge, class C explosive.
DE	Small-arms primer, class C explosive.
DF	Smoke pot, class C explosive.

**Table 3-16**  
**Hazardous materiel codes—Continued**

Code	Explanation
DG	Smoke signal, class C explosive.
DH	Fireworks, special, class B explosive.
DI	Starter cartridge, class B explosive.
DJ	Supplementary charge (explosive), class A explosive.
DK	Fuze, time, class C explosive.
DL	Toy propellant device, class C explosive.
DM	Toy smoke device, class C explosive.
DN	Toy caps, class C explosive.
DO	Tracer, class C explosive.
DP	Tracer fuze, class C explosive.
DQ	Very signal cartridge, class C explosive
DR	Fireworks, common, class C explosive.
DS	Chloroacetophenone solid, (CN), irritating material.
DT	Chlorosulfonic acid, corrosive material.
DU	Chloroacetophenone liquid, (CN), irritating material.
DV	Smoke grenade, class C explosive.
DW	Hydrocyanic acid (prussic), solution, poison A.
DX	Grenade, tear gas, irritating material.
DZ	Phosphorus, white, dry, flammable solid.
EA	Explosive powder device, class C explosive.
EB	Sodium Perchlorate, oxidizer.
EC	Explosive powder device, class B explosive.
ED	Starter cartridge, class C explosive.
EE	Corrosive solid, NOS, corrosive material.
EF	Oxidizing material, NOS, oxidizer.
EG	Compressed gas, NOS, nonflammable gas.
EH	Compressed gas, NOS, flammable gas.
EI	Mercuric acetate, poison B.
EJ	Nitrobenzol, liquid, poison B.
EK	Rocket engine, liquid, class B explosive.
EL	Rocket motor, class A explosive.
EM	Rocket motor, class B explosive.
EN	Ammunition for small arms with incendiary projectile, class A explosive.
EO	Igniter, rocket motor, class A explosive.
EP	Igniter, rocket motor, class B explosive.
EQ	Hand signal device, class C explosive.
ER	Propellant explosive, liquid, class B explosive.
ES	Insecticide, liquid, NOS, flammable liquid.
ET	Malathion, other regulated material-A.
EU	Fluorine, nonflammable gas.
EV	Mercuric-Potassium Iodide, solid, poison B.
EW	Cartridge, practice, ammunition, class C explosive.

**Table 3–16**  
**Hazardous materiel codes—Continued**

Code	Explanation
EX	Actuating cartridge, explosive, fire extinguisher or valve, class explosive.
FA	Perchloric acid, exceeding 50 percent but not exceeding 72 percent strength, oxidizer.
FB	Formic acid, corrosive material.
FC	Hydrochloric (Muriatic) acid, corrosive material.
FD	Sodium sulfide, anhydrous, flammable solid.
FE	Petroleum naphtha, combustible liquid.
FF	Code FF denotes special factors or conditions in an item description that affect the ratings or charges; therefore, the item description will be read carefully to ensure that such special factors or conditions are included as part of the bill of lading description.
FG	Medicines, NOS, solid, flammable, solid.
FH	Fire extinguisher, nonflammable gas.
FI	Chlorodane, liquid, combustible liquid.
FJ	Compound, rust preventing, corrosive material.
FK	Calcium Cyanide mixture, solid, poison B.
FL	Fuel, aviation, turbine engine, flammable liquid.
FM	Pentane, flammable liquid.
FN	Benzene, flammable liquid.
FO	Acetic acid, glacial, corrosive material.
FP	Acetone, flammable liquid.
FQ	Acetylene, flammable gas.
FR	Air, compressed, nonflammable gas.
FS	Alcohol, NOS, flammable liquid.
FT	Ammonia, anhydrous, nonflammable gas.
FU	Ammonium nitrate (no organic coating) oxidizer.
FV	Ammonium nitrate (organic coating), oxidizer.
FW	Amyl acetate, flammable liquid.
FX	Code FX denotes special factors in an item description; therefore, the item description in the respective rail or motor dangerous articles tariff will be read carefully to ensure that the exact tariff description is shown on the bill of lading.
FY	Arsenic trioxide, solid, poison B.
FZ	Barium nitrate, oxidizer.
GA	Battery, electric storage, wet, corrosive material.
GB	Benzene (benzol) flammable liquid.
GC	Bromine, corrosive material.
GD	Butyl acetate, flammable liquid.
GE	Calcium nitrate, oxidizer.
GF	Calcium resinate, flammable solid.
GG	Phenol, poison B.
GH	Carbon bisulfide or carbon disulfide, flammable solid.
GI	Carbon dioxide, liquefied, nonflammable gas.
GJ	Carbon dioxide-oxygen mixture, nonflammable.
GK	Cement, liquid, NOS, flammable liquid.
GL	Cement, rubber, flammable liquid.
GM	Chlorine, nonflammable gas.
GN	Chromic acid, solid corrosive.

**Table 3-16**  
**Hazardous material codes—Continued**

Code	Explanation
GO	Coating solution, flammable liquid.
GP	Compounds, tree or weed killing liquid, poison B.
GQ	Crotonaldehyde, flammable liquid.
GR	Crude oil, petroleum, flammable liquid.
GS	Dinitrobenzene, solid or dinitrobenzol, solid, poison B.
GT	Eradicators, paint or grease, liquid, flammable liquid.
GU	Ether, flammable liquid.
GV	Ethyl acetate, flammable liquid.
GW	Ethyl chloride, flammable liquid.
GX	Ethylene dichloride, flammable liquid.
GY	Ethylene oxide, flammable liquid.
GZ	Gasoline, (including casing-head and natural) flammable liquid.
HA	Helium, nonflammable gas.
HB	Helium-oxygen mixture, nonflammable gas.
HC	Heptane, flammable liquid.
HD	Hexane, flammable liquid.
HE	Hydrochloric acid solution, inhibited, corrosive material.
HF	Hydrogen, flammable gas.
HG	Isooctane, flammable liquid.
HH	Lead nitrate, oxidizer.
HI	Liquefied petroleum gas, flammable gas
HJ	Lindane, other regulated material-A
HK	Magnesium, metal, powdered, pellets, turnings, or ribbons, flammable solid.
HL	Methyl bromide liquid, poison B.
HM	Methyl chloride, flammable gas.
HN	Methyle ethyl ketone, flammable liquid.
HO	Monobromotrifluoromethane, nonflammable gas.
HP	Monochloroacetic acid, liquid or solution, corrosive material.
HQ	Nitrate, NOS, oxidizer.
HR	Nitric acid (over 40 percent) oxidizer.
HS	Nitric acid (40 percent or less), corrosive material.
HT	Nitrogen, nonflammable gas.
HU	Oxygen, nonflammable gas.
HV	Petroleum ether, flammable liquid.
HW	Phosphoric anhydride, corrosive material.
HX	Phosphorous, amorphous, red, flammable solid.
HY	Phosphorous oxychloride, corrosive material.
HZ	Phosphorous pentachloride, solid, corrosive material.
JA	Phosphorous trichloride, corrosive material.
JB	Potassium hydroxide, dry, solid, flake, bead, or granular, corrosive material.
JC	Potassium nitrate, oxidizer.
JD	Rubber shoddy, regenerated rubber or reclaimed, flammable solid.

**Table 3-16**  
**Hazardous materiel codes—Continued**

Code	Explanation
JE	Sodium arsenate, solid, poison B.
JF	Sodium arsenite, liquid solution, poison B.
JG	Sodium hydroxide, dry solid, flake, bead, or granular, corrosive material.
JH	Sodium hydrosulfite, flammable solid.
JI	Sodium nitrate, oxidizer.
JJ	Sodium nitrite, oxidizer.
JK	Sodium peroxide, oxidizer.
JL	Strontium nitrate, oxidizer.
JM	Sulfur chloride (mono and di), corrosive material.
JN	Sulfur hexafluoride, nonflammable gas.
JO	Titanium tetrachloride, corrosive material.
JP	Vinyl acetate, flammable liquid.
FF	Code FF denotes special factors or conditions in an item description that affect the ratings or charges; therefore, the item description will be read carefully to ensure that such special factors or conditions are included as part of the bill of lading description.
FX	Code FX denotes special factors in an item description; therefore, the item description in the respective rail or motor dangerous articles tariff will be read carefully to ensure that the exact tariff description is shown on the bill of lading.

**Table 3-17**  
**I&S deletion reason codes**

Code	Explanation
A	Deletion of incorrect I&S relationship. Data being deleted is invalid and will not be used.
B	Deletion of I&S relationship no longer having universal application. Data being deleted no longer applies to all Army uses.
C	Deletion of I&S relationship involving one or more stock numbers which are no longer active, and have been or are being deleted from the item data segment of the AMDF.
D	I&S relationship remains valid. Action taken to revise or change data except for reason codes A, B, and C.

*t. Identifying number (IN) code.* The identifying number code (IN) is a 1-position alphabetic code (table 3-18) that identifies the type of number assigned by the initiating source. The IN code was established for the history segment, AIRS and I&S section II.

*u. Inventory category code (ICC).* The ICC is a 1-position numeric code used to group items of supply into lots or segments for inventory and research purposes. Accountable and storage activities will record these codes on records to plan and schedule inventory actions. The order of priority for assigning these codes will be 0, 2, 8, 3, 7, 6, 1, 4, 9 and 5 per AR 740- 26. This code is in the item data segment of the AMDF (table 3-19)

*v. Item type storage (ITS) code.* The ITS code is a 1-position alphabetic code that identifies the required item storage environment. This code applies only to Army-managed items in the AMDF (table 3-20).

*w. Less-than-truckload (LTL) and less-than-carload (LCL) rating codes.* The LTL and LCL rating codes are a 1-position alphabetic code that converts to a rating assigned an item to develop transportation charges for LTL and LCL shipments. The LTL and LCL codes are in the freight segment of the AMDF. (The codes and explanations are listed in table 3-21.)

**Table 3–18**  
**Identifying number codes**

Code	Explanation
A	NSN/NATO stock number.
B	National item identification number.
C	Commercial and government entity code/NATO supply code for manufacturers and reference number.
D	Management control number.
G	Department of Defense Ammunition Code.
H	Line item number.

**Table 3–19**  
**Inventory category codes**

Code	Category	Explanation
	High value (nonspecial interest).	High and very high intensive management items, as defined in AR 710-1 and principal and regulated items as defined in AR 310-25, or any combination of those items included in inventory category codes 0, 2, 3, 6, 7, and 8.
2	Controlled inventory (SIMS-X items which are sensitive, classified or pilferable).	Selected Item Management System-Expanded (SIMS-X) items that are pilferable, sensitive or classified.
3	Controlled inventory.	Items with physical security pilferage code not included in inventory category codes 2 or 8.
4	Other service managed.	Items not managed by Army and not assigned inventory category codes 1, 2, 3, 6, 7, 8, or 9 by the SICC.
5	Other (nonspecial interest)	Items not included in any of the other inventory category codes.
6	High value (special interest).	Items that qualify for inventory category code 1. However, the accountable supply distribution activity has a special interest in identifying the items uniquely for inventory purpose.
7	Controlled inventory (SIMS-X).	SIMS-X items that are not pilferable, sensitive or classified.
8	Controlled inventory (classified and sensitive).	Items other than SIMS-X and small arms items, that are classified or sensitive. See AR 740-26, appendix B, for basic list of sensitive items.
9	Other (special interest).	Items not included in inventory category codes 1, 2, 3, 4, 6, 7, or 8. However, the accountable supply distribution activity has a special interest in identifying the items uniquely for inventory purposes.
0	Small arms items.	Items that are classified as small arms according to AR 740-26, appendix B, paragraph A.

**Table 3–20**  
**Item type storage codes**

Code	Explanation
A	Heated warehouse space (general purpose).
B	Unheated warehouse space (general purpose).
C	Controlled humidity space.
E	Chill space.
F	Freeze space.
G	Shed, nonwarehouse space.
Q	Hazardous commodity space (non-class V item, such as acids, compressed gases, radioactive material, and so forth).
U	Open space (materiel may be stored in open storage).
Y	Storage space for ammunition items (class V), covered in other regulations.
Z	Special storage requirement. See the item's storage serviceability standard or technical manual.

**Table 3–21**  
**Less-than-truckload and less-than-carload rating codes**

Code	Rating
A	400.0
B	300.0
C	250.0
D	200.0
E	175.0
F	150.0
G	125.0
H	110.0
J	100.2
K	92.5
L	90.0
M	85.0
N	80.0
P	77.5
Q	70.0
R	65.0
S	60.0
T	55.0
U	50.0
V	Below 50.0
W	Rating variable
X	500.0
Y	350.0
Z	No LTL/LCL rating

x. *Logistic control code (LCC)*. The LCC is a 1-position alphabetic code assigned to the Army adopted items and other items of materiel authorized (LIN related items) to provide a basis for logistic support decisions. These decisions involve procurement, overhaul, repair parts provisioning, requisitioning, distribution, and so forth. LOGSA will keep this code compatible with those items listed in SB 700-20. This code is in the item data segment of the AMDF. LCC codes and explanations are listed in table 3-22.

y. *Maintenance repair (MR) code*. The MR code is a 1-position alphabetic code that indicates whether the item is to be repaired and identifies the lowest maintenance level capable of performing all authorized maintenance functions. The decision to code support items for repair at the indicated levels requires that all maintenance capability, i.e., remove, replace, repair, assemble, and test for the support items be provided to that level. This does not preclude some repair at a lower level of maintenance (table 3-23). This code is in the item data segment of the AMDF. (See AR 700-82.)

z. *Army MATCAT structure code*. The Army MATCAT structure code is a 5-position alphanumeric code that prescribes the materiel category structure detail for management of Army inventories (tables 3-23 through 3-28). LOGSA will keep codes compatible with AR 710-1. This code is in the item data segment of the AMDF.

(1) *Position Number 1. MATCAT and inventory manager or NICP SICC*. First position codes are alphabetic and identify the materiel categories of principal and secondary items to the CONUS inventory manager, NICP, or in the case of DLA/GSA managed items, the SICC that exercises managerial responsibility. The title given to the first position is a broad categorization which is generally descriptive of the items managed by a particular inventory manager, but does not necessarily identify fully all the items under the inventory manager's purview (table 3-24).

(2) *Position Number 2. Appropriation and budget activity (ABA) account code*. Second position is alphabetic or numeric, excluding the letters I and O. This code identifies investment or expense type items. Investment items are purchased with procurement appropriations (PA) and are generally free-issued to Army customers and sold to other

services, Government agencies, and international logistics customers. Expense items are purchased with Army Stock Fund (ASF) obligation authority and are generally sold to all customers. Prime and related items must contain the same ABA code. Items are categorized by the investment versus decision diagram (figure 3-1). (See table 3-25 for codes and explanations.)

(3) *Position Number 3. Management inventory segment.* Third position codes are numeric 1 through 4. They identify the management inventory segment of the category structure. It provides further subdivision of those categories identified by positions 1 and 2. Maintenance of control accounts for recurring reports to this position of the category structure is not required. (See table 3-26 for codes and explanations.)

(4) *Position Number 4. Specific group or generic code.* Fourth position codes are either alphabetic or numeric, excluding the letter O and the numeral 1. This code provides further subdivision of those items identified to positions 1 through 3. For Army-managed items, these codes along with the codes assigned to position 5, identify a generic category of weapons systems, end items, or homogeneous group of items. For DLA or GSA managed items and medical or dental items, this position is numeric 0, except for those DLA or GSA items having application to an Army weapon system or end item which will carry the appropriate generic code. (See table 3-27 for codes and explanations.)

(5) *Position Number 5. Generic category code.* Fifth position codes are alphanumeric except the letters I and O. This position identifies items to weapons systems/end items, or other application. For Army managed items, these codes, in combination with the codes assigned in position 4, will identify a specific weapons system or end item or homogeneous group of items. DLA and GSA managed items will be the numeric 0, except for items having application to an Army weapon system or end item which must be assigned the appropriate fifth position. (See table 3-28 for codes and explanations.)

*aa. Material safety data sheet (MSDS) indicator code.* The MSDS code indicator code is a 1-position alphabetic code that identifies NSNs requiring the manufacturer or supplier to prepare and submit an MSDS OSHA Form 20 or any essentially identical form to Government activities according to Federal Standard 313 (table 3-29). This code is in the freight segment of the AMDF.

*ab. National codification bureau code (NCBC).* The NCBC code is a 2-position numeric code that identifies the country or other foreign country that originally cataloged an item of supply. (See table 3-30.) The NCBC is part of each NIIN and NSN.

*ac. Phrase code (PC).* The PC (logistical management data reference phrase) is a 1-position alphabetic or numeric code that applies to the item represented by the stock number in positions 8-20. It denotes changes or a relationship between the national or NATO stock number and the data in positions 48-60, unless otherwise prescribed in the history segment. These phrase codes provide advice for consolidating, interchanging and disposing of stock. They also announce that the stock number in positions 8-20 will be deleted from all active records of the wholesale supply system and from the AMDF in a future change notice. These codes apply to the item data, interchangeable and substitute, component, and equivalent item segments of the AMDF as limited by instructions for those segments (table 3-31).

**Table 3-22**  
**Logistic control codes**

Code	Explanation
A	Items that are acceptable for the intended mission or acceptable during initial production. These items will receive full logistic support until a replacement item is approved or until the requirement is phased out. This LCC applies to developed and new nondeveloped items (including commercial purchases or product improved items) determined to be suitable by Defense Systems Acquisition Review Council, Army Systems Acquisition Review Council or in process review to satisfy the Army requirement. LCC-A items must be procurable.
B	This LCC applies to items that will be issued in place of LCC-A items. (LCC-B items will not be reprocurd if the approved LCC-A item can be procured and deployed in time to meet the requirement) or items which can no longer be procured but still must be supported. For those LCC-B items that are still procurable, written justification supporting proposed reprocurement will accompany Army Material Program AMP submissions. The published AMP will constitute Headquarters Department of the Army (HQDA) approval. Request for authority to reprocure LCC-B items not included in the current AMP will be approved on a case-by-case basis. The office that initiates a request for approval to reprocure an LCC-B item is the official office of record responsible for keeping request and approval documents.
D	Items or systems undergoing development, or nondevelopmental (commercial) items requiring Basis-of-Issue Plan that have not qualified for type classification.
F	Items identified by HQDA as Mission Essential Contingency Items for Reserve Components only.
N	Enter only if items will not be separately type classified, but must be listed in SB 700-20; (in accordance with AR 70-1) or if the item is a nondevelopmental item qualified for type development.
O	Obsolete items no longer needed or supported for Army operational use.

**Table 3–22**  
**Logistic control codes—Continued**

Code	Explanation
P	Designates items being produced from an approved low-rate initial production line before the full-rate production decision. This phase will verify the production process, provide continuity of production, use hard production tooling, and prove production methodology. Items type classified LRP must be reclassified as standard at the full-rate production decision point, providing TC STD prerequisites are met.
R	Non-LIN related items not appearing in SB 700-20. (Added for this chapter only.)
S	Items no longer acceptable for Army operational use, but having a residual value for training. (Items assigned LCC-S will be supported only from repair part stocks on hand or by cannibalization.)
T	Items that will be made low rate initial production to get limited quantities for operational test III before entering into the Army operational inventory.
U	Items not qualified for LCC-A, but will be procured in limited quantities to satisfy Army directed urgent operational requirements.

**Table 3–23**  
**Maintenance repair codes**

Code	Application/Explanation
O (alpha)	The lowest maintenance level capable of complete repair of the support item is the organizational level.
F	The lowest maintenance level capable of complete repair of the support item is the direct support level.
H	The lowest maintenance level capable of complete repair of the support item is the general support level.
G	Both afloat and ashore intermediate levels are capable of complete repair of support item-Navy only.
D	The lowest maintenance level capable of complete repair of the support item is the depot level; depot, mobile depot, or specialized repair activity.
L	Repair restricted to designated specialized repair activity.
Z	Non-reparable. No repair is authorized.
B	No repair is authorized. The item may be reconditioned by adjusting, lubricating, and so forth, at the user level. No parts or special tools are procured for the maintenance of this item.
(-) dash sign	When a maintenance code is not used, a dash (-) sign will be entered.

**Table 3–24**  
**Materiel category and inventory manager or NICP/SICC (Position number 1 of the MATCAT)**

Alpha code	Item manager code	Materiel category	Inventory manager of NICP/SICC and location
B	A12	Ground forces support materiel (other support materiel).	U.S. Army Soldiers Biological and Chemical Command, NATICK, MA 01760
C	B69	Medical/dental materiel. (See note 1.)	U.S. Army Medical Materiel Agency, Frederick, MD 21702-5001.
D	B14	Single manager conventional ammunition.	Industrial Operations Command, Rock Island, IL 61299-6000.
E	A35	General Supplies (DLA/GSA items). (See note 1.)	U.S. Army War Reserve Command, Materiel Management Team, New Cumberland, PA 17070-5008
F	AP5	Clothing textile and non-medical toiletries (DLA/GSA items).	U.S. Army Soldiers Biological and Chemical Command, U.S. Army Support Organization, Philadelphia, PA 19101-3460
G	B16	Communications and electronics equipment electronics materiel. (See note 1.)	U.S. Army Communications Electronics Command, Ft. Monmouth, NJ 07703.
H	B17	Aircraft, Aircraft materiel. (See note 1.)	U.S. Army Aviation and Missile Command, Redstone Arsenal, AL 35898-5230
J	A35	Ground forces support materiel (DLA/GSA items). (See note 1.)	U.S. Army War Reserve Command, Materiel Management Team, New Cumberland, PA 17070-5008

Table 3–24

**Materiel category and inventory manager or NICP/SICC (Position number 1 of the MATCAT)—Continued**

Alpha code	Item manager code	Materiel category	Inventory manager of NICP/SICC and location
K	AKZ	Combat, tactical and support vehicles, vehicular components and peculiar repair parts related to mobility.	U.S. Army Tank-Automotive Command, Warren, MI 48397-5000.
L	B64	Missiles, missile materiel. (See note 1.)	U.S. Army Aviation and Missile Command, Redstone Arsenal, AL 35898-5230
M	B14	Ammunition, weapons & tracked combat vehicle weapons, special weapons chemical & fire control materiel. (See notes 1 and 2.)	U.S. Army Armament, Chemical and Acquisition Logistics Command, Rock Island, IL 61299-6000
P	B46	Signal intelligence/electronic warfare equipment	U.S. Army Communications Electronics Command, Ft. Monmouth, NJ 07703.
Q	A35	Electronics materiel (DLA Items). (See note 1.)	U.S. Army War Reserve Command, Materiel Management Team, New Cumberland, PA 17070-5008
R	A35	Bulk and packaged petroleum fuels, packaged petroleum products, containers and accessories thereof, certain chemicals and solid fuels. (See note 1.)	U.S. Army War Reserve Command, Materiel Management Team, New Cumberland, PA 17070-5008
S	AP5	Subsistence (DLA/GSA items). (See note 1.)	U.S. Army Soldiers Biological and Chemical Command, U.S. Army Support Organization, Philadelphia, PA 19101-3460
T	A35	Industrial supplies (DLA/GSA items). (See note 1.)	U.S. Army War Reserve Command, Materiel Management Team, New Cumberland, PA 17070-5008
U	B56	COMSEC Materiel	U.S. Army Communications Security Logistics Activity, Ft. Huachuca, AZ 85613-7090.
V	BS7	Television, Audio And Visual Equipment	U.S. Army Television-Audio Support Activity, Sacramento, CA 95813-5019
X	BAM	Simulators and Training Devices	U.S. Army Simulation Training and Instrumentation Command, Orlando, FL 32826-3276
Z	H9A	Special Operations Support Materiel	United States Special Operations Command, SOFSA, Lexington, KY 40512-4100

## Notes:

<sup>1</sup> Denotes secondary item materiel category titles.<sup>2</sup> Does not include tracked vehicle repair parts.

Table 3–25

**Appropriation and budget activity account codes (Position Number 2 of the MATCAT)**

ABA Code	Appropriation category	Appropriation	Budget project
<b>PA principal</b>			
A	Aircraft	21*2031	1100
B	Modification of aircraft	21*2031	1200
C	Avionics support equipment	21*2031	1410
	Common ground equipment	21*2031	1420
D	Modification of weapons and combat tracked vehicles	21*2033	3300
E	Other missiles	21*2032	2200
F	Modification of missiles	21*2032	2300
G	Missiles support equipment	21*2032	2511
H	Tracked combat vehicles	21*2033	3111
J	Weapons and other combat vehicles	21*2033	3211
K	Ammunition	21*2034	4111

**Table 3–25**  
**Appropriation and budget activity account codes (Position Number 2 of the MATCAT)—Continued**

ABA Code	Appropriation category	Appropriation	Budget project
L	Tactical vehicles	21*2035	5111
M	Nontactical vehicles	21*2035	5121
N	Telecommunications equipment	21*2035	5211
P	Other communications and electronics systems/equipment	21*2035	5212
Q	Other support equipment	21*2035	5310
<b>Other categories</b>			
2	Stock Fund items	21X4991	
3	OMA secondary items	21*2020	
5	OMA major end items	21*2020	
		(over \$3,000)	
9	Base spares (stocks owned by the Nuclear Regulatory Commission)		
Legend	*—The last digit of the applicable fiscal year; X-The fund is continuing and no year is shown.		

**Table 3–26**  
**Management inventory segment (Position number 3 of the MATCAT)**

Numeric code	Description and use
1	Reparable items (exclusive of insurance and provisioning items). This code will be used to identify items of a durable nature which, when unserviceable, normally can be repaired economically by depots or lower echelons of maintenance. It will only be assigned when the repair code (4th position of the source, maintenance, and recoverability code) is O, F, H, L, or D, and the recoverability code, (5th position of source, maintenance and recoverability code) is O, F, H, L, D or A. This indicates that the item is reparable at depot or a lower echelon of maintenance.
2	Nonreparable items (exclusive of insurance and provisioning items). This code will be used to identify items that are not reparable. It will only be assigned when the repair code is Z or B and the recoverability code is Z or A, which indicates that the item is nonreparable.
3	Insurance items. This code will identify items with insufficient demands for classification as regular stock items, but requires to be stocked since the items' essentiality and long procurement lead time would create an unacceptable situation if not stocked. A numeric code of 3 will only be assigned when the acquisition advice code is Z indicating that it is an insurance/numeric stockage item and the essentiality code indicates the item is essential.
4	Provisioning items (exclusive of insurance items). This code will identify new items introduced through the provisioning process and there is not sufficient experience obtained to manage based on normal demand forecasts. These items can be either reparable or nonreparable.

**Table 3–27**  
**Specific group/generic codes (Position Number 4 of the MATCAT)**

Alpha-numeric code	Definition
A	Fixed wing aircraft
B	Rotary wing aircraft
C	Other aircraft categories
D	Surface to air missiles
E	Surface to surface missiles
F	Other missile related materiel
G	Artillery
H	Individual and crew-served weapons
I	Construction equipment
J	Tanks

**Table 3–27**  
**Specific group/generic codes (Position Number 4 of the MATCAT)—Continued**

Alpha-numeric code	Definition
K	Combat vehicles
L	Other weapons categories
M	Armored carriers
N	Tactical vehicles
P	Other automotive categories
Q	Avionics
R	Tactical and strategic communications
S	Surveillance, target acquisition, and night observation
T	Other electronics equipment
U	(POL), soldier and combat support systems
V	Power generating systems
W	Line of communication/base support systems
X	Special ammunition
Y	Conventional ammunition
Z	Other munitions/CBR category
0	Medical materiel or DLA/GSA material
2	Missile and class V components (except safeguard)
3	Missile and class V components (safeguard)
4	Communications systems agency and satellite communications agency-equipment
5	Communications systems equipment
6	Individual and crew-served weapons

**Table 3–28**  
**Generic category codes (Position Number 4 and 5 of the MATCAT)**

Generic code	Specific group
<b>Fixed wing aircraft</b>	
AD	U-8
AG	U-21
AH	OV-1
AM	Fixed wing aircraft not supported by Army
AN	C12-series aircraft
AP	Aquila remotely piloted vehicle MQM-105
<b>Rotary wing aircraft</b>	
BA	UH-1
BB	AH-1, UH-1, OV-1, turbine engine
BC	AH-1
BD	MH-60K helicopter, utility
BE	UH-60
BF	UH-60 turbine engine
BG	AH-64 turbine engine
BH	MH-47E helicopter, cargo transportation
BJ	AH-64 airframe

**Table 3–28**  
**Generic category codes (Position Number 4 and 5 of the MATCAT)—Continued**

Generic code	Specific group
BK	CH-47
BL	CH-47 turbine engine
BM	CH-54
BN	UH-60L/AH-64A engine (T701C)
BP	OH-58A and OH-58C
BQ	T63-A-700 and T63-A-720
BS	rotary wing aircraft not supported by Army
BT	OH-6
BW	SH-60B turbine engine
BX	OH-58D Army helicopter improvement program (AHIP)
BY	OH-58D turbine engine (T703-AD-700)
BZ	AH-64 Longbow
<b>Other aircraft categories</b>	
CA	target acquisition drone air reconnaissance system
CC	Multiapplication aviation spares
CD	Target acquisition designation sight and pilot night vision sensor
CE	Electro optical augmentation system
CG	Aviation ground power system (includes: electrical-DC=28 V at 700 amp maximum; AC=115-230 V, 30 kv at 400 Hz maximum; AC=110, 60 hz at 500 w maximum; hydraulic—3,300 lb at 15 gpm maximum; pneudraulic—60 lb pm at 40 psi maximum
CJ	aircraft training aids and devices
C8	aviation sets, kits and outfits, aircraft ground support equipment (AGSE), and aviation life support equipment
<b>Surface to air missiles</b>	
DB	Nike Hercules
DC	Chaparral
DE	Hawk, basic
DH	Targets
DJ	Redeye
DM	air-to-air stinger
DN	stinger reprogrammable microprocessor/special defense acquisition fund
DP	AVENGER
DR	Stinger
DS	Hawk, improved
DX	Roland
DY	standard vehicle-mounted launcher
D6	Patriot
D7	forward area alerting radar
D9	line-of-sight forward-heavy (LOS-F-H)
<b>Surface-to-surface missiles</b>	
EA	brilliant anti-armor submunition
EC	fiber optic guided missile system
EF	multiple-launch rocket system
EG	2.75 rocket and M-158A1/M200A1 launcher

**Table 3–28**  
**Generic category codes (Position Number 4 and 5 of the MATCAT)—Continued**

Generic code	Specific group
EH	Improved Bradley Acquisition System (ISBAS)
EK	Rocket, high-explosive, 84mm, M136 (AT4)
EL	M-22
EM	Honest John
EN	Lance
EP	Hellfire
EQ	Multipurpose Individual Munition/Short Range Assault Weapon System
ER	Follow On To Tow (FOTT)
ET	advanced antitank weapon system—medium (AAWS-M)
EU	Pershing
EV	Shillelagh
EW	TOW infantry fighting vehicle (IFV) (XM2)/TOW combat fighting vehicle (CFV) (XM3)
EX	Joint ground-launch tacit rainbow
EY	land combat support system
EZ	advanced antitank weapon system—heavy (AAWS-H) kinetic energy missile system
E1	tube-launched, optically-tracked, wire guided (TOW) missile
E2	tube-launched, optically tracked, wire-guided (TOW2) missile
E3	Pershing II
E4	AAWS-H antitank missile system-heavy
E5	Dragon
E6	precision gunnery training system
E7	TOW2 infantry fighting vehicle (IFV)/TOW2 cavalry fighting vehicle (CFV)
E8	Army TACMS (ATACMS)
E9	AAWS-H nonlinear of sight
<b>Other missile-related material</b>	
FA	ground laser locator designator
FC	modular universal laser equipment
FD	AN/TSQ-51 air defense command coordination system
FG	thermal imagery and ancillary equipment
FK	laser target designator
FP	advanced attack helicopter (AAH) U.S. Army Missile Command-managed subsystem
FQ	Calibration
FR	AAH/target acquisition designation signet
FT	forward area air defense command, control and intelligence (C21)
FV	Sentinel
FW	Short Range Unmanned Aerial Vehicle (UAV-SR)
FZ	Other multiapplication parts
F1	AN/GSA-77
F4	TOW COBRA
F5	Army unmanned aerial vehicle
F6	COBRA-NITE (C-NITE)
F9	General Research and Development

**Table 3–28**  
**Generic category codes (Position Number 4 and 5 of the MATCAT)—Continued**

Generic code	Specific group
<b>Artillery</b>	
GA	gun, antiaircraft, 20mm, towed M167, vulcan air defense system (VADS), gun 20mm, towed M167A2, product improvement vulcan air defense system (PIVAD)
GB	Howitzer, 105mm, M101/M101A1
GC	Howitzer, 105mm, M102, W/M6 platform
GD	Howitzer, 155mm, M114/M114A1/M123A1
GE	Howitzer, heavy 8-inch M115
GF	Howitzer, pack 75mm M116, howitzer salute 75mm, M120
GG	Howitzer, 155mm, M198
GH	Howitzer, light towed, 105mm, M119/L119
GJ	Howitzer, light towed, 105mm, M119A1
GL	Light Air Defense System and Light Air Defense System/Interim (LADS/ILADS)
GX	hybrid air defense system
GZ	Miscellaneous artillery
G9	other artillery multiapplication parts
<b>Individual and crew served weapons</b>	
HA	pistols, 45 caliber, M1911, M1911A1, M119A1, M15
HB	machine gun, M-89 series
HC	machine gun, 7.62mm, M240
HD	machine gun, 7.62mm/M73/M73A1/M219
HE	rifle, 7.62mm, M14-series with bipod M2, M21
HF	rifle, 5.56mm, M16-series with bipod, firing port weapon, rimfire adapter launcher, M234
HG	Submachine gun, caliber, .45, M3/M3A1
HH	machine gun, caliber .50 M2-series with tripod M3 and mount M63
HJ	machine gun, 7.62mm, M60-series
HK	mount tripod M122, for 7.62mm/5.56mm machine gun
HL	machine gun, caliber .30 with tripod
HM	launcher, grenade, 40mm, M203 for M16 rifle
HN	launcher, grenade, 40mm, M79
HP	launcher, rocket 3.5-inch, M20-series with mount
HQ	gun, automatic, 20mm, M139
HR	mortar, 120mm
HS	mortar, 60mm, M2/M19 with mount
HT	mortar, 81mm, M29-series M1 with mount, M4
HU	mortar, 4.2-inch, M30 with mount
HW	rifle, 57mm, M18/M18A1/T15E16
HX	rifle, 90mm, M67
HY	rifle, 106mm, M40-series with mount and rifle spotting, M8-series
HZ	launcher, rocket, 115mm, M91/XM70
H3	armament subsystem, 30mm, XM139
H4	armament subsystem, M28, M28A1, M28A2, M28A3, reflex sight M73/M73A1, helmet sight M128/M36
H6	armament subsystem, 20mm and enhanced fire control system XM97E2
H7	armament subsystem, 20mm XM97E1

**Table 3–28**  
**Generic category codes (Position Number 4 and 5 of the MATCAT)—Continued**

Generic code	Specific group
H8	gun automatic, 25mm, M242
H9	other individual and crew-served weapons (excluding code HV assigned to aircraft subsystems)
<b>Construction equipment</b>	
IA	tractor, full-tracked
IB	Scrapers
IC	loader, scoop
ID	road graders
IE	cranes, wheel
IF	cranes, 20 to 25 tons
IG	cranes, crawler
IH	crane-related construction
IJ	Excavation equipment
IK	sweepers and snowplows
IL	asphalt/compaction equipment
IM	soil, asphalt, concrete, nuclear test sets
IN	armored combat earthmover (ACE), M9
IP	concrete paving and water distribution equipment
IQ	crushing equipment
IR	Compressors and support equipment
<b>Tanks</b>	
JA	tank, combat, M48-series, 90mm gun
JB	trainers, tank gunnery
JC	tank, combat, flame thrower, M67/M67A1/M67A2
JD	tank, combat, 76mm gun, M41/M41A1/M741A2/M41A3
JE	tank, 105mm, M1/M11P
JF	tank, combat 120mm gun, M103/M103A1/M103A2 with trainer M119
JG	tank, combat, 90mm, gun M47
JH	tank, 105mm, M60A3, TTS
JJ	tank, combat, 105mm gun, M60/M60A1/M60A3/M48A5
JK	tank, combat, 152mm gun, M60A2 and trainer, M37
JL	trainer, driving, M34 for M60 tank series
JM	Subcaliber mount assemblies universal
JN	trainer, armored vehicle, unit conduct of fire trainer (UCOFT) institutional conduct of fire-trainer (ICOFT) 50 and 60 cycle-series
JP	combat engineer vehicle, full tracked M728
JQ	armored/reconnaissance/airborne assault vehicles, 152mm M551 with trainer M40
JR	simulator tank gunfire, M4/M4A1 for M42, M48, M60 tanks
JS	bulldozer EM tank-mounted M6/M8/M8A1/M8A2/M8A3/M9
JT	recovery vehicle, M51/M74/M88
JU	gun, full tracked, 90mm M56
JV	recovery vehicle, M578
JW	tank, combat, full-tracked, M1A1E2 unique
JX	robotic obstacle breaching assault tank

**Table 3–28**  
**Generic category codes (Position Number 4 and 5 of the MATCAT)—Continued**

Generic code	Specific group
JY	tank, 120mm, M1A1
JZ	Miscellaneous tanks
J1	Breacher (Grizzly)
J2	armored gun system, XM8
J3	M1 tank maintenance panel training devices
J4	simplified test equipment M1, M2 and M3
J5	Heavy Assault Bridge
<b>Combat vehicles</b>	
KA	gun, antiaircraft, self-propelled, 40mm M42/M42A1
KC	Howitzer, self-propelled 105mm/M52/M52A1
KD	Gun, field artillery self-propelled 175mm M107, howitzer 8-inch M110
KE	Howitzer, heavy full tracked self-propelled 105mm M108
KF	Howitzer, full tracked self-propelled 155mm M109
KG	Howitzer, self-propelled, 155mm M44/M44A1
KH	Howitzer, heavy full tracked self-propelled 8-inch M55, 155 gun M53
KK	divisional air defense system XM247
KL	gun, antiaircraft, 20mm, self-propelled, M163 (VADS), M741, vulcan chassis, M163A1 (VADS), gun, 20mm, self-propelled, M163A2 (PIVADS)
KM	light armored vehicle
KV	field artillery ammunition support vehicle (FAASV), G801, XM922
KZ	Miscellaneous combat vehicles
K9	other combat vehicle multiapplication parts
<b>Other weapons categories</b>	
LA	computer gun direction, M18 (FADAC/test set/MLU)
LB	Direct Support Electrical System Test Set
LC	Binoculars (standard)
LD	aiming circle M1/M2/M2A1
LF	periscope, B.C. M43/M65 telescope observation, M48/M49
LG	targets/training devices
LH	binocular, IR M18
LJ	Chronograph, M36, M90
LK	shop equipment
LL	Tools and shop sets
LP	Ground emplaced scattering system, XM128, antitank mine dispenser M57
LQ	Plotting sets/boards, fire direction sets
LS	APPS, photolocator
LU	Weapon access delay system
LV	Dispenser, general purpose aircraft XM130
LW	Multiple integrated laser equipment management system/antitank weapon effect signature simulator
LX	Backup computer system
LY	Programmable hand-held calculator
LZ	Miscellaneous weapons
L1	Gauges and miscellaneous test equipment

**Table 3–28**  
**Generic category codes (Position Number 4 and 5 of the MATCAT)—Continued**

Generic code	Specific group
L2	Air defense-oriented test equipment
L3	Armament-oriented test equipment
L4	Fire control-oriented test equipment
L5	Other managed component of tool set
L6	Major items shop equipment
L7	Basic issue item sets
L8	Sergeant York support equipment
L9	Multi-application weapon components and parts
<b>Armored carriers</b>	
MA	XM491-XM597-XM598
MB	M113 configuration, carrier, personnel
MC	M113A1/A2 armored personnel carrier combat vehicle, antitank
MD	Carrier 1/2 squad
ME	M8A1 configuration
MF	M17 configuration
MG	M116 configuration
MH	M114 configuration
MJ	XM571 configuration
MK	XM759 configuration
MM	Infantry fighting vehicle (M2, M2A1, M2A2), cavalry fighting vehicle (M3, M3A1, M3A2)
MN	M106 carrier, mortar, self-propelled, 107mm
MP	M125A1, carrier, mortar
MQ	M548, carrier, cargo
MR	M577, carrier, command post
MS	M132, carrier, flame thrower
MT	Armored car commando V100
MV	Improved tow vehicle (ITV), M901
MW	Fire support team vehicle (FISTV), XM981
MX	XM1059 carrier, smoke generator, full-tracked, armored
MY	Miscellaneous armored carriers
MZ	Other armored carrier multiapplication parts
M2	Bradley fighting vehicle maintenance training devices
M3	XM1015 electronic warfare shelter carrier
M4	M548 family of vehicles, block I modification
M5	M113 family of vehicles, block I modification
M6	XM106, armored mortar carrier, 120mm full-tracked, self-propelled
M7	XM106 carrier, armored command post, ATTCS, full-track
<b>Tactical vehicles</b>	
NA	14-20-ton vehicle configuration, M916A2, M916A1, M1062
NB	1/4-ton vehicle configuration, M151
NC	1/2-ton vehicle configuration
ND	11/4-ton vehicle configuration M880-series

**Table 3–28**  
**Generic category codes (Position Number 4 and 5 of the MATCAT)—Continued**

Generic code	Specific group
NE	M878 family of vehicles (includes M878 and M878A1)
NF	3/4-ton vehicle configuration
NG	11/4-ton vehicle configuration, M561-series
NH	21/2-ton vehicle configuration, diesel
NJ	21/2-ton vehicle configuration, gas
NK	21/2-ton vehicle configuration, multifuel
NL	5-ton vehicle configuration, diesel
NM	5-ton vehicle configuration, gas
NN	5-ton vehicle configuration, multifuel
NP	10-ton vehicle configuration, M123A1C
NQ	14 to 20-ton vehicle configuration, M915, M916 and M920
NR	Heavy expanded mobility tactical trucks (HEMTT), ABT, M977, M978, M983, M984 and M985.
NS	Commercial utility cargo vehicle
NT	M939 family of vehicles (includes M939A1 and M939A2)
NU	Heavy equipment transporters
NW	Heavy equipment transporter system, M1070, M1000
NY	8 to 10-ton vehicle configuration, M520-series, go-ability overall economy reliability
NZ	Other truck multiapplication parts
N2	Family of medium tactical vehicles (FMTV), 21/2-ton
N3	Family of medium tactical vehicles, 5-ton
N4	Small unit support vehicle
N5	High mobility multipurpose wheeled vehicle
N6	Fast attack vehicle
N7	Military motorcycle
N8	Palletized loading system
<b>Other automotive categories</b>	
PA	Semitrailer, vans, medium, greater than 6-ton, to include M348-series
PB	Semitrailer M871 and M127-series
PC	Trailer, utility and cargo configurations
PD	Trailer, 1/4-ton
PE	Trailer, special purpose, bakery
PF	Trailer, M200-series
PG	Trailer, special purpose, radar
PH	3/4-ton M101-series
PJ	Trailer, 11/2-ton, M105/M103/M310-series
PK	Semitrailer, prime mover, 21/2-ton
PL	Trailer, prime mover, 5-ton
PM	Miscellaneous combat/tactical common hardware/decals/data plates
PN	Combat/tactical multiuse repair parts (starters, regulators, generators, distributors, fuel pumps, spark plugs, and the like)
PP	Tires and tubes Department of Defense (DOD) integrated manager
PQ	Special tools and tool sets
PR	Modification work order kits

**Table 3–28**  
**Generic category codes (Position Number 4 and 5 of the MATCAT)—Continued**

Generic code	Specific group
PT	Miscellaneous Vehicle Components
PV	Semitrailer/tanker M90/M131-series
PW	Semitrailer, lowbed, M172/M870/and M872-series
PX	Trailer, bolster/pole hauling configuration
PY	Base-level commercial equipment
PZ	Nontactical wheeled vehicles
P1	Special Tool Sets
P4	Heavy expanded mobility ammunition trailer (HEMAT) M989
P5	Dolly sets and trailer converters (21/2-ton)
P8	Dolly set, M1022
<b>Avionics</b>	
QA	Avionics VHF/UHF/AM
QC	Avionics intercoms
QD	Avionics HF/SSB-ICS-VS
QE	Other avionics
QF	Avionics very high frequency omnirange, marker beacon, glide slope (VOR/MB/GS)
QG	Avionics gyro compass (navigation)
QH	Fixed wing unique avionics
QJ	Avionics identification equipment
QK	Air traffic control support
QL	Avionics position fixing and ground support
QM	Avionics stabilization/instrumentation
QN	AN/ARC-114/114A radio set
QP	AN/ARC-115/115A radio set
QQ	UH-60 unique avionics items
QR	Inertial navigation systems
QS	Tactical navigation systems
QT	AN/TPN-18A radar set
QU	AH-64 unique avionics items
QV	AN/ARC-116 radio set
QW	CH-47 unique avionics items
QX	AHIP unique avionics items
QY	AH-I unique avionics items
QZ	Single channel ground & air radio systems (SINCGARS), airborne radio
Q2	AN/ARC-164 radio set
Q3	AN/ARC-186
Q4	Altimeters indicators
Q5	Doppler navigation systems
Q7	Apache ground test station support equipment
Q6	Auto direction finder systems
Q7	Apache ground test station support equipment
Q8	EH-60A QUICK FIX aircraft unique

**Table 3–28**  
**Generic category codes (Position Number 4 and 5 of the MATCAT)—Continued**

Generic code	Specific group
<b>Tactical and strategic communications</b>	
RA	Portable frequency modulation radio communications equipment
RB	Vehicular frequency modulation radio equipment
RC	Amplitude modulation/single side band radio and radio teletypewriter equipment
RD	Watercraft communications equipment
RE	Special radio equipment
RF	Relay and transmission equipment
RG	Frequency data modem equipment
RH	Manual switching
RJ	Tactical fire direction system (TACFIRE) advanced field artillery tactical data systems (TACFIRE/AFATDS)
RK	Project code CXC
RL	Teletypewriters
RM	Decentralized automated service support system (DAS-3) (AN/MYQ-4/4A)
RN	Maneuver control systems, (AM/UYQ-30/30A)
RP	Facsimiles
RQ	AN/TTC/TYC-39/39A/39D
RR	MICROFIX
RS	AN/PRC-77 radio family
RT	AN/VRC-12 radio family
RU	Vehicular installation units
RV	Tactical satellite (TACSAT) multichannel communication equipment
RW	Mobile subscriber equipment
RX	Pulse code modulation
RY	Digital group multiplexer equipment
RZ	Troposcatter communication
R1	Radio teletypewriters
R2	Vehicular installation unit components
R3	Intermediate forward test equipment
R4	Communications division cables
R5	AN/TSC-94A/100A
R7	Other vehicular/portable FM equipment
R8	Battlefield electronic computer system
R9	Single channel ground air radio systems, ground
<b>Surveillance target acquisition and night observation</b>	
SA	Light and special division interim sensor (LSDIS)
SB	Anti-intrusion devices
SC	Airborne sensor systems
SE	Image intensification
SF	Battlefield illumination
SG	Infrared systems
SH	Ground photo systems, processing and interpretation
SJ	Air defense systems support

**Table 3–28**  
**Generic category codes (Position Number 4 and 5 of the MATCAT)—Continued**

Generic code	Specific group
SK	AN/TPQ-36/37 mortar and artillery radar locating
SL	Interrogator, AN/TPX46
SN	Manportable common thermal night sights
SP	Position Location Reporting System (PLRS), Enhanced Position Locating Reporting System (EPLR, adaptable surface interface terminal, Joint Tactical Information Distribution System
SQ	Horizontal Technology Integration (HTI), 2nd Generation Forward Looking Infra-Red Radar (FLIR)
SR	AM/TMQ-31, meteorological
SS	Cable assemblies, electronics
SV	Common modules
SW	Mobile ground image interpretation center
SX	Individual weapon night sights
SY	Crew-served night sights
SZ	Night vision goggles
S2	Joint surveillance target attack radar systems (JOINT STARS)
S3	SINCGARS installation kits/components
<b>Other electronics equipment</b>	
TA	Electronic warfare and equipment intelligence, active and passive area
TB	Aircraft survivability equipment less the AN/APR-39 family
TC	Atmospheric sounding, meteorological stations and equipment, wind measuring
TD	General-purpose test equipment
TE	General-purpose maintenance facility and miscellaneous
TF	General purpose electrical power equipment
TG	Miscellaneous electrical welfare equipment
TH	Quicklook II
TJ	Batteries, dry
TK	Batteries, storage
TL	Guardrail V
TM	Communications systems support equipment
TN	Radiac detection systems
TP	Other commodity command systems
TQ	AN/GLQ-3 countermeasure set
TR	Regency net system
TS	Communication security systems
TT	Tactical fire direction system cables
TU	Ground direction finding equipment
TV	VINSON
TW	Installation kit/component
TX	Armed Forces radio equipment
TY	Audio-visual (recorder, reproducer and public address) and pictorial equipment (FSC 5830, 5835, 6700 and 7700)
TZ	AN/APR-39 family of countermeasure sets
T1	SATCOM cables
T2	AN/MSM-105 system

**Table 3–28**  
**Generic category codes (Position Number 4 and 5 of the MATCAT)—Continued**

Generic code	Specific group
T3	Modular azimuth positioning system
T4	Television audiovisual support activity audiovisual items
T5	Digital radio and multiplexer acquisition
T6	Standard remote terminal
T7	Lithium batteries
T8	All source analysis system
T9	Global positioning system (GPS)
<b>Soldier and combat support systems</b>	
UA	Tactical POL distribution equipment
UB	Bulk POL distribution equipment
UC	POL storage equipment
UD	POL test equipment
UF	Water supply and water purification equipment
UG	Repair shop equipment
UH	Food services equipment
UJ	Hygiene/insect control equipment
UL	Topographic and survey equipment
UM	Assault boat equipment
UP	Position and azimuth determining system
UR	Countermine equipment
US	Counter intrusion equipment
UT	Counter surveillance equipment
UU	Deployable medical system
UV	Topographic support system
UX	Special inspection equipment and gauges
<b>Power generation systems</b>	
VA	Generator sets and related power equipment: 60 Hz 15, 30 and 100 kW
VF	Generator sets and related power equipment: 60 Hz 45, 60, 75, 150 and larger kW
VL	Generator sets and related power equipment: 60Hz 0.15 to 3.0 kW
VM	Generator sets and related power equipment: 400 Hz, 0.3 kW and above
VP	Patriot system support
VR	Generator sets and related power equipment: 60 Hz 5 to 10 kW
VS	Generator sets and related power equipment: 28V DC: 5 to 10 kW
VW	Light sets, generator sets and related power equipment, 400 Hz 0.3 kW and above
V4	Military standard engines and repair parts
<b>Line of communication and base support systems</b>	
WA	Port support and watercraft equipment
WB	Bridge armored vehicle and support equipment
WD	Diving equipment system
WE	Army functional component system
WF	Railway power and support equipment
WG	Firefighting and support equipment

**Table 3–28**  
**Generic category codes (Position Number 4 and 5 of the MATCAT)—Continued**

Generic code	Specific group
WH	Lighter air cushion vehicle (LHCV), 30-ton
WJ	Electric materiel handling equipment
WK	Diesel engine driven materiel handling equipment
WL	Rough terrain materiel and container handling equipment
WM	Prefabricated structures equipment
WN	Fixed bridges and support equipment
WP	Floating bridges and support equipment
WR	Mobile assault/ribbon bridges and support equipment
WS	Air delivery equipment
WT	Watercraft and related sets, kits and outfits
WU	Tool sets and miscellaneous sets, kits and outfits.
WW	Woodworking/preservation and packaging and other base support equipment
WX	Cryogenic and support equipment
WZ	Containers express (CONEX)/military-owned demountable container (MILVAN) and refrigerated contained equipment
W2	Gasoline engine drive materiel handling equipment
W3	Refrigerators/refrigerated van equipment
W4	Miscellaneous materiel transportation equipment
W5	Air-conditioning and support equipment
W6	Heating systems and other related equipment
W8	Miscellaneous simplified test equipment
<b>Special ammunition</b>	
XA	Adaption kits
XB	Atomic demolition materiel
XC	Atomic shells
XD	Bangalore torpedoes
XE	Blasting caps, detonating cord and demolition firing devices
XF	Bombs, general purpose
XG	Bulk propellant, explosives, and demolition charges
XH	Cluster bomb unit (CBU)/cluster dispenser unit (CDU), all types
XJ	Chemical and biological agents
XK	Flares, all types
XL	Flame and incendiary materials
XM	Firing devices for special weapon and advanced firing systems
XN	Grenades, hand, fragmentation and offensive
XP	Grenades, hand, riot control agents
XQ	Grenades, smoke and incendiary
XR	Grenades, all other types
XS	Mines and mine fuzes, all types
XT	Power-actuated devices
XU	Photoflash cartridges
XV	Riot control agents
XW	Rockets, 66mm, light antitank weapons, all types, including flame

**Table 3–28**  
**Generic category codes (Position Number 4 and 5 of the MATCAT)—Continued**

Generic code	Specific group
XX	Rockets, ground, all other types
XY	Signals, all types
XZ	Simulators, all types
X1	Smoke pots
X2	Test and handling equipment atomic materiel
X3	Special weapons, repair parts
X4	Warhead section atomic, all types
X5	Warhead section chemical, all types
X6	Warhead atomic, all types
X7	Warhead selected
X8	Modification work order kits
X9	155mm atomic, field artillery projectile (AFAP) XM785/XM785E1
<b>Conventional ammunition</b>	
YA	Shell, shotgun, all types
YB	Cartridge, .22 caliber, all types
YC	Cartridge, 5.56mm, all types
YD	Cartridge, 7.62mm, all types
YE	Cartridge, .30 caliber, carbine, all types
YF	Cartridge, .30 caliber, all types
YG	Cartridge, .45 caliber, all types
YH	Cartridge, .50 caliber, all types
YJ	Cartridge, 20mm/30mm, all types
YK	Miscellaneous small arms ammunition
YL	Cartridge, 40mm, shoulder fired launcher (M75 type)
YM	Cartridge, 40mm, automated launcher (M75 type)
YN	Cartridge, 40mm (gun)
YP	Cartridge, 60mm, mortar, all types
YQ	Cartridge, 81mm, mortar, all types
YR	Cartridge, 4.2-inch mortar, all types
YS	Cartridge, 90mm, tank, all types
YT	Cartridge, 105mm, all types
YU	Cartridge, 152mm, all types
YV	Other tank and armored vehicle gun ammunition
YW	Cartridge, 105mm, howitzer, all types
YX	projectile, 155mm, all types, and propelling charges therefore
YY	projectile, 175mm, all types, and propelling charges therefore
YZ	projectile, 8-inch, all types (and propelling charges thereto)
Y1	other artillery ammunition not specifically listed above
Y2	artillery/mortar fuzes and primers, all types
Y3	folding fin aircraft rocket, 2.75-inch, all types
Y4	recoilless rifle ammunition, all types
Y5	propellant/cartridge-actuated devices

**Table 3–28**  
**Generic category codes (Position Number 4 and 5 of the MATCAT)—Continued**

Generic code	Specific group
Y6	components for conventional ammunition maintenance and renovation program
Y7	packaging material for conventional ammunition maintenance and renovation program
Y8	bulk explosives and propellants for other customer end-item loading
Y9	ammunition peculiar equipment items
<b>Other munitions/chemical, biological, radiological (CBR) categories</b>	
ZA	smoke generators
ZB	Decontaminating equipment
ZC	flame-throwers and servicing units
ZD	detection and alarm devices
ZE	demolition equipment
ZF	dispenser equipment
ZG	CBR materiel
ZH	shelter systems
ZJ	gas masks
ZK	collective protection equipment
ZL	explosive ordnance disposal sets and components
ZM	ammunition gages
ZN	miscellaneous gages
ZP	modification work order kits
ZQ	basic issue list items
ZR	CBU/CDU repair kits
ZS	Compressors
ZT	filter units
ZU	launcher rockets
ZV	impregnating plants
ZW	chemical lab
ZZ	Multiapplication munitions/CBR components and parts
<b>DLA/GSA materiel</b>	
00	DLA/GSA managed items that cannot be identified to a specific Army weapons system/end item
<b>Medical materiel</b>	
01	type 1 (nonextendable) potency-dated item
02	type 2 (extendable) potency-date item
03	not potency-dated
08	not potency dated materiel quality control significant item
<b>Communications system agency and satellite communications agency equipment</b>	
4A	satellite communications terminal—AN/FSC 78/79 peculiar items
AB	AN/TSC-85A/93A
4C	global positioning system (GPS)
4D	defense satellite communications systems operations control system
4F	Command and Control Vehicle, AN/TYQ-61-C2V
4G	AN/GSC-52
4H	Lightweight Leader Computer

**Table 3–28**  
**Generic category codes (Position Number 4 and 5 of the MATCAT)—Continued**

Generic code	Specific group
4J	Vehicular Intercommunications Systems (VIS)
4N	AN/GRM-122, J-4843A/GRM, and PL-1436/J-4843A
4P	Advanced Field Artillery Tactical Data System AN/GYG-1
4Q	Forward Entry Device AN/PSG-7
4R	Digital Topographic Support System (DTSS)
4S	Network Planning Terminal (NPT)
4T	Network Management Tool (NMT)
4U	AN/USC-28
4V	satellite communications
4W	Forward Area Air Defense Command and Control (FAADC2)
4X	Tri-Band SHF Tactical Satellite Terminal
4Y	Joint Tactical Terminal/Commanders Tactical Terminal 3 (JTT/CTT3)
<b>Communications systems equipment</b>	
5A	battery computer system (BCS) (AN/GYK-29)
5B	forward entry device (AN/PSG-7)
5C	fire support team digital message device (AN/PSG-5)
5D	Corps/Theatre Automatic Data Processing Service Center -I/II
5E	logistics applications of automated marking and reading symbols
5F	Tactical Army Combat Service Support (CSS) Computer System
5G	AN/UYQ-43 V1/V2
5H	fixed plant radio
5J	common hardware/software
5K	Combat Service Support Control System (CSSCS)
5L	fixed plant wire
5M	AN/MYK-8
5N	AN/TYQ-30/31
5P	AN/UXC-7
5Q	AN/UGC-144
5R	AN/UGC-74
5S	AN/TC-41/SB-3614
5T	advanced narrow band digital voice terminal KY-99
5U	fiber optics transmitter system
5V	antenna masts/towers
5W	Telephones
5X	low cap transmission F
5Y	medium cap transmission
5Z	high cap transmission
<b>Individual and crew-served weapons</b>	
6A	revolver, caliber .38, 4-inch barrel
6B	rifle, caliber .22
6C	rifle, caliber .30, M1-series
6D	shotgun, 12-gauge

**Table 3–28**  
**Generic category codes (Position Number 4 and 5 of the MATCAT)—Continued**

Generic code	Specific group
6E	pistol, pyrotechnic
6F	pistol, caliber .22
6G	rifle, recoilless, 75mm
6H	mortar, light weight, 60mm, M224, with mount
6J	rifle, recoilless 105mm M27-series with mount
6K	trainer, mortar, pneumatic
6M	marksmanship and gunnery laser devices
6N	diagnostic rifle marksmanship simulator
6P	infantry remote target system
6Q	armament subsystem helicopter, 40mm served weapons grenade launcher, M5
6R	armament subsystem helicopter, 7.62mm machine gun, M21 multimount M156
6S	armament subsystem helicopter, 7.62mm machine gun, M24
6T	armament subsystem helicopter, 7.62mm machine gun, M27/M27E1
6U	armament subsystem helicopter, 7.62mm machine gun, M41
6V	machine gun, 7.62mm, M134 (minigun)
6W	launcher grenade, aircraft, 40mm, M75
6X	targets and training devices, small arms
6Y	launcher, grenade, 40mm, M129
6Z	squad automatic weapon system, 5.56mm, XM-249
61	armament subsystem UH-60A helicopter (Blackhawk)
62	armament subsystem helicopter M23
63	launcher, grenade, 40mm, machine gun, Mark 19
64	pistol, caliber 9mm
66	XM23 mortar ballistic computer
67	armament subsystem, helicopter, XM149
68	mortar, 81mm, XM252
69	M24 Sniper weapon system
<b>Communications systems equipment</b>	
7A	digital nonsecure voice terminal with digital data port
7B	AN/PRC-126 small unit radio
7C	AN/PRC-127 nonhardened small unit radio
7D	AN/GRA-39 remote control
7E	OE-254 antenna
7F	RC-292 Antenna
7J	Standardized Integrated Command Post System (SICPS)
7K	EW/Intelligence
7L	AN/UKY-19 and AN/UKY-64
7M	Tactical Management Information system (TACMIS)
7N	AN/GYK-33A and AN/GYK-33B
7P	Counter-Intelligence/Human-Intelligence Automated Tool Set (CHATS) AN/PYQ-3 (V)
<b>Training Devices, Simulations and Simulators</b>	
89	Field Simulator and Training Equipment

**Table 3–28**  
**Generic category codes (Position Number 4 and 5 of the MATCAT)—Continued**

Generic code	Specific group
<b>Signal Intelligence</b>	
9A	Teammate AN/TRQ-32
9B	Trailblazer AN/TSQ-138
9C	Trafficjam AN/TLQ-17A
9D	Quick Fix AN/ALQ-151 (V)2
9E	Lightweight Man Transportable Radio (LMRDFS) AN/PRD-12
9F	Airborne Reconnaissance Low, (ARL) AN/ASQ-214 & AN/ASQ-216
9G	Advanced Quick Fix
9H	Ground Base Common Sensor-Heavy (GBCS-H)
9J	Ground Base Common Sensor-Light (GBCS-L)
9K	Trackwolf
9L	Trojan Spirit
9M	Advance Trackwolf
9N	Electronic Warfare (EW) and Intelligence, active and Passive area
9P	Agency Standard Host/Standard Multi-user small computer
9Q	Agency Standard Terminal Workstation (ASTW)
9R	Chipboard
9S	Crazyhorse
9T	Focus
9U	TD-1303/TD-1398 Homestar
9V	R-2147B, Receiver
9W	Scope 2000
9X	AN/FSQ-133 Tracechain
9Y	Winterfeed
9Z	WJ-8618B, Receiver
92	Electronic Warfare (EW) and Intelligence, Active and Passive Area (general miscellaneous)

**Table 3–29**  
**Material safety data sheet indicator codes**

Code	Explanation
A	MSDS is required. The Federal supply class of the item is listed in Federal Standard 313, table I, in which all items must be identified and certified. Manufacturer/supplier must prepare and submit an MSDS to designated government activities according to Federal Acquisition Regulation (FAR) 23.301 and FAR 52.223
B	MSDS is required only for items identified and certified by the manufacturer or supplier to be hazardous according to criteria in Federal Standard 313, section 10.1.3. The FSC of the item is in Federal Standard 313, table II.
C	MSDS is not required. The FSC of the item is listed in Federal Standard 313, table II; however the item has been certified by the manufacturer or supplier as not having any of the hazardous characteristics specified in Federal Standard 313, section 10.3.1.
D	MSDS was submitted by the manufacturer or supplier, and received by the requiring Government activity. Item was determined by the manufacturer or supplier to be hazardous as defined in Federal Standard 313, section 10.1.3.
E	Item is not in the FSCs listed in Federal Standard 313, table I or table II.
F	MSDS is required. Item is determined to be hazardous as defined in Federal Standard 313, section 10.1.3. An MSDS will be submitted by the manufacturer or supplier even though the FSC is not listed in table I or II.

**Table 3–30**  
**National codification bureau codes**

Code	Country
00	United States
01	United States
11	NATO
12	Germany
13	Belgium
14	France
15	Italy
17	Netherlands
21	Canada
22	Denmark
23	Greece
24	Iceland
25	Norway
26	Portugal
27	Turkey
28	Luxembourg
29	Argentina
30	Japan
31	Israel
32	Singapore
33	Spain
34	Malaysia
35	Thailand
36	Egypt
37	South Korea
66	Australia
70	Saudi Arabia

**Table 3–30**  
**National codification bureau codes—Continued**

Code	Country
98	New Zealand
99	United Kingdom

**Table 3–31**  
**Phrase codes**

Code	Phrase statement	Explanation
A	Consolidated with (to be used in item data segment only). (See note 1.)	Indicates that the item represented by the stock number in positions 8-20 is to be consolidated with the item represented by the stock number in positions 48-60. The items of supply are identical or completely interchangeable and will be issued under the stock number in positions 48-60. This phrase responds to action either by FLIS according to DOD 4100.39-M, volume 4, chapter 4.10, or by an inventory manager showing a stock number preference for the stock number in positions 48-60. Use with DIC Group 1 when consolidation results from FLIS cancellation; or use with DIC C57 or C77 when consolidation reflects a logistic management transfer agreement. (The NIIN must always change. The FSC might not change.)
C	Changed—replaced by (to be used in item data segment only). (See note 1.)	Indicates that the stock number in positions 8-20 was assigned to more than one item of supply in error and has been changed to the stock number in positions 48-60. Field activities must physically reidentify stocks on hand to the appropriate stock number shown in positions 48-60 as replacement items. Use the DIC group 1.
D	Change to (to be used in item data segment only). (See note 1.)	Indicates that the FSC class for the item in positions 8-20 has been changed to the FSC class for the item in positions 48-60. Use with DIC group 1 or DIC C57 or C77 when changes require a logistic management transfer agreement. (The FSC must change; NIIN must remain unchanged.)
E	Replaced by (to be used in I&S segment only). (See notes 2 and 6.)	
		Indicates the item represented by the stock number in positions 8-20 is replaced by the interchangeable item represented by the stock number in positions 48-60. (Stocks will be used until exhausted.) Must be used with phrase code G addressed to the stock number in positions 48-60. The item manager will delete the stock number from the AMDF when all stock is exhausted from the wholesale system by a DIC C37. If assets are on hand at the user level when the C37 delete record is received, the C37 action must be held in suspense until all stock is exhausted. Must be used in combination with phrase code G.
F	When exhausted use (to be used in I&S segment only). (See notes 2 and 6.)	Indicates that the item represented by the stock number in positions 8-20 is replaced by the preferred item represented by the stock number in positions 48-60. This code indicates a one-way substitution. The item manager will delete the stock number from the AMDF when all stock is exhausted from the wholesale system by a DIC C37. If assets are on hand at the user level when the C37 delete record is received, the C37 action must be held in suspense until all stock is exhausted. Must be used in combination with phrase code 7.
G	Use related item until exhausted (to be used in I&S segments only). (See notes 2 and 6.)	Indicates that the item represented by the stock number in positions 8-20 is replacing (and is interchangeable with) the item in positions 48-60. This item will not be issued until the supply of the replaced item is exhausted. Must be used in combination with phrase code E.
H	Suitable substitute (to be used in I&S segment only). (See notes 2 and 6.)	Indicates that the item represented by the stock number in positions 48-60 is an authorized substitute for the item represented by the stock number in positions 8-20.
J	Interchangeable with (to be used in I&S segment only). (See notes 2 and 6.)	Indicates that the items represented by the stock number in positions 48-60 are completely interchangeable, one for the other. Preferred item relationship is not implied and stocks for these items will not be consolidated.

**Table 3-31**  
**Phrase codes—Continued**

Code	Phrase statement	Explanation
L	Superseded by (to be used in I&S segment only). (See notes 2 and 6.)	Indicates that the item represented by the stock number in positions 8-20 is to be discontinued and replaced by the item represented by the stock number in positions 48-60. Dispose of materiel on hand or received. The item manager will delete the stock number from the AMDF by a DIC C37.
M	Break down into (to be used in component segment only). (See note 4.)	Indicates that the item represented by the stock number in positions 8-20 is no longer stocked as an assembly. This phrase will be applied to an item when it is desired to break down the following: a. Assemblies into subassemblies and attaching parts. b. Groups of items into single items. c. Any two or more items that will not be binned together under one stock number. Support will be provided by components listed in component segment. The item manager will delete the stock number from the AMDF by a DIC C37.
N	Disposal (to be used in item data segment only). (See note 1.)	Indicates that the item represented by the stock number in positions 8-20 is no longer a required item of supply. Dispose of stock according to current directives. The item manager will delete the stock number from the AMDF by a DIC C37 delete action repeating phrase code and management data. This record is then added to the item data segment history file.
P	Use assembly, assortment, or kit (to be used in item data segment only). (See note 1.)	Indicates that the item represented by the stock number in positions 8-20 is not, or will no longer be, stocked as an individual item of supply. Requisition next higher assembly, assortment, or kit represented by the stock number in positions 48-60. The item manager will delete the stock number from the AMDF by a DIC C37 delete action repeating phrase code and management data. This record is then added to the item data segment history file.
Q	Fabricate or assemble (to be used in item data segment with technical document or "SEE TM" (insert TM number) in positions 48-60; component segment with stock numbers in positions 48-60. (See notes 1 and 4.)	Indicates that the item represented by stock number in positions 8-20 is not, or will no longer be, centrally stocked. Fabricate or assemble from components listed in the technical document or "SEE TM" in positions 48-60 of the item data segment record. Support with stock numbers will be provided by components listed in the component segment.
R	Refer to (technical document). To be used in item data segment only. (See note 1.)	Indicates that the item represented by the stock number in positions 8-20 requires special handling as specified in the technical document or "SEE TM-" (insert TM number) listed in positions 48-60.
S	Stock as (to be used in I&S segment only). (See notes 2 and 6.)	Indicates that the item represented by the stock number in positions 8-20 applies to the item cataloged for authorization and procurement purposes. When a manufacturer's name and identification are known for each new procurement source, the additional stock numbers are in positions 48-60. Must be used in combination with phrase code 3.
T	Condemned (to be used in item data segment without a replacement stock number; I&S segment with a replacement stock number. (See notes 3 and 6.)	Indicates that the item represented by the stock number in positions 8-20 has been condemned and its use is prohibited. Dispose of stock according to current directives. The replacement stock number, if applicable, is represented by the stock number in positions 48-60. The item manager will delete the stock number from the AMDF by a DIC C37 Delete action repeating phrase code and management data. The record is then added to the history segment.
U	Associated with (master NSN, I&S family)	Indicates that an item in an I&S family is managed by a Primary Inventory Control Activity (PICA) level of authority (level of authority 06, 22 or 23) that has no user or retail interest. Phrase code U records will not be filed in the AMDF or broadcast to Army retail systems. Special requirements code 4 will be recorded in the item data segment to satisfy AMDF requirements.
V	Discontinued without replacement (to be used in item data segment). (See note 1.)	Indicates that the item represented by the stock number in positions 8-20 will be discontinued without replacement. Stocks on hand will be issued and used until exhausted. The item manager will delete the stock number from the AMDF by a DIC C37 delete action repeating phrase code and management data. This record is then added to the item data segment history file.

**Table 3-31**  
**Phrase codes—Continued**

Code	Phrase statement	Explanation
Y	Equivalent to (stock numbers) to be used in equivalent item segment only. (See note 5.)	Indicates that the item represented by the stock number in positions 8-20 has physical and performance characteristics the same as the item represented by the stock number in positions 48-60. The items of supply differ only in the unit quantity or unit of issue. Multiple records may be required.
Z	Discontinued-use (to be used in I&S segment only). (See notes 2 and 6.)	Indicates that the item represented by the stock number in positions 8-20 is to be discontinued and replaced by the stock number in positions 48-60. Stocks will be issued until exhausted according to current directives. The item manager will delete the stock number from the AMDF by a DIC C37.
2	When exhausted, use NSN with phrase code 4	Army use only.
3	Reversal of phrase code S	Indicates that the item represented by the NSN in positions 8-20 is the (physical) item of production in an I&S generic relationship. (The generic master NSN appears in position 48-60. Must be used in combination with phrase code S.
4	Reversal of phrase code 2	Army use only.
5	When exhausted, use NSN with phrase code 6	Army use only.
6	Reversal of phrase code 5	Army use only.
7	Substitute for NSN	Indicates that the item represented by the NSN in positions 8-20 is the preferred item master NSN in the I&S family and is substitutable for the items represented by the NSN in position 48-60. The replacement item, master NSN in the I&S family will be issued when the supply of the replaced items is exhausted. Must be used in combination with phrase code F.

**Notes:**

<sup>1</sup> Phrase codes A, C, D, and P (with related stock number in positions 48-60), Q and R (with a technical document number or the phrase "SEE TM" in positions 48-60), and N, T, and V (with blanks in positions 48-60), will appear in the item data segment. When other phrase codes apply to the stock number in positions 8-20, the I&S indicator code (position 64) denotes segments (I&S, component, or equivalent item) where additional data is stored. When the item data record is deleted (group 1 or 7 DIC), the phrase code in the item data record is included in the record transferred to section 1 of the history segment.

<sup>2</sup> Phrase codes E, F, G, H, J, L, S, T (with a replacement NSN), and Z appear in the I&S segment, and are highlighted by an I&S indicator code (position 64) in the item data record. When the item data record is being deleted (DIC C37) and the I&S phrase code is applied, as shown by the I&S indicator code (position 64), the appropriate delete transaction must be made to the identical stock number in the I&S segment. The LOGSA will add this record to the I&S history file of the history segment.

<sup>3</sup> Phrase code T (without a replacement stock number) appears in the item data segment with blanks in positions 48-60, and note 1 above will apply. Phrase code T (with a replacement stock number in positions 48-60) appears in the I&S segment and is highlighted by the I&S indicator code (position 64) in the item data record.

<sup>4</sup> Phrase codes M and Q appear in the component segment along with the related stock numbers in positions 48-60, and are highlighted by the I&S indicator code in position 64 of the item data record. When the item data record is being deleted (DIC C37) and the component phrase code applied, as shown by the I&S indicator code (position 64), the appropriate delete transaction must be made to the identical stock number in the component segment. The LOGSA will then add this record to the component history file of the history segment.

<sup>5</sup> Phrase code Y appears in the equivalent item segment along with the related stock numbers in positions 48-60 and is highlighted by the I&S indicator code in position 64 of the item data record. When the item data record is being deleted (DIC C37), the appropriate delete transaction must be made to the identical stock number in the equivalent item segment.

<sup>6</sup> The relationships (notes 2 and 3 above) expressed by the assignment of I&S phrase codes E, F, G, H, J, L, S, T and Z will also be reflected in the proper format in the order-of-use file (part 2) of I&S section I.

*ad. Precious metals indicator (PMI) code.* The PMI code is a 1-position alphanumeric code used to identify items that have precious metals as part of their content. Precious metals are those metals generally considered to be uncommon and highly valuable. Use this code together with the recoverability code (RC) to make sure that precious metals are recovered or that special handling or disposal procedures are followed. Codes and explanations are described in table 3-32. This code is in the special Army data segment of the AMDF.

*ae. Price signal code (PSC).* The PSC is a 1-position code that denotes how the price field is expressed. This code is in the item data segment of the AMDF (table 3-33).

*af. Recoverability code.* The RC is a 1-position alphabetic code assigned to support items to indicate the level of maintenance at which unserviceable support items may be condemned or disposed of. This code is in the item data segment of the AMDF. Codes and definitions are described in table 3-34.

*ag. Related number status (RNS) code.* The RNS code is a 1-position alphabetic code D that tells you that an NSN or MCN in the phrase statement or related NSN or MCN column is inactive. A blank in this column shows that the NSN or MCN in the phrase statement or related NSN or MCN column is active. This code is in the item data history segment of the AMDF.

*ah. Reportable item control code (RICC).* The RICC is a 1-position numeric code assigned to those items of equipment selected as reportable and identified by RICC 2, and 3 according to SB 700-20. Intensive management items identified by RICC 8, per AR 710-1, are also included. This code is in the item data segment of the AMDF. (See table 3-35.)

*ai. Shelf life code (SL).* The SL is a 1-position alphanumeric code assigned a shelf life item. It identifies the period of time beginning with the date of manufacture, cure or assembly, and ending with the date the item must be used or subjected to inspection, testing or restorative, or disposal action. For medical items, the shelf life refers only to expiration dated (potency) items (type I). Nonpotency dated items have an estimated storage period and are referred to as estimated storage life items (type II). Both shelf life potency (type I) items and estimated storage life (type II) items are coded in the fourth and fifth positions of the materiel category structure. For example, 01 or 02 reflects a shelf life (potency) period; 03 reflect an estimated storage period. This code is in the item data segment of the AMDF. (See table 3-36.)

*aj. Source of supply (SOS) code.* The SOS is a 3-position alphanumeric code that identifies the activity where requisitions are to be sent. A list of SOS codes, in routing identifier code sequence including the geographical locations and cataloging activity codes are identified in table 3-37. This code is in the item data segment of the AMDF.

*ak. Special control item code (SCIC).* The SCIC is a 1-position alphanumeric code that identifies items requiring special controls (table 3-38). This code is in the item data segment of the AMDF.

*al. Special handling (SH) code.* The SH code is a 1-position alphanumeric code that indicates if special handling is needed. This is the fifth position of the water commodity and cargo exception code. For specific code explanations, see DOD 4500.32-R, Vol 1 appendix B, section III (table 3-39). This code is in the freight segment of the AMDF.

*am. Special requirements code (SRC).* The SRC is a 1-position alphanumeric code that identifies supply functions that must be done according to special requirements documents. This code is in the item data and history segments of the AMDF. (See table 3-40.)

*an. Subsistence usage management code (SUMC).* The SUMC is a 1-position alphabetic code that indicates to whom and under what conditions a subsistence item will be issued. It is used by the requisitioner to identify items of subsistence suitable for requisition. This code applies to items in FSG 89 only and is in the item identification segment of the AMDF. (See table 3-41.)

**Table 3-32**  
**Precious metals indicator codes (PMICs) (See note.)**

Code	Type precious metal	Content value
A	No known precious metal Item does not contain precious metal.	None.
C	Item contains combination of two or more precious metals (silver, gold, or platinum).	Not applicable.
G	Gold	Less than 10 grams.
P	Item contains platinum family metals.	
S	Item contains silver	
T		
U	Precious metal type unknown.	
V	Precious metal type varies between manufacturers.	

**Notes:**

The platinum family contains platinum, palladium, iridium, rhodium, osmium, and ruthenium.

**Table 3–33**  
**Price signal codes**

Code	Explanation
S	Standard unit price cited in dollars and cents. Limited to a price range of \$0.01 to \$99,999.99.
E	Estimated unit price cited in dollars and cents; limited to a price range of \$0.01 to \$99,999.99.
X	Unit price cited in whole dollars. Limited to a price range of \$100,000 or more but less than \$10 million.
M	Unit price cited in hundreds of dollars; limited to prices of \$10 million or more.
F	No applicable unit price. Price field is zero (0) filled; indicates no price is applicable to local purchase items of DLA, GSA, and other military services, and free issue items—manuals and antigens; limited to expendable items only and to classes of supply except V and VII.

**Table 3–34**  
**Recoverability codes (See note.)**

Code	Explanation
A	Special handling item. Item requires special handling or condemnation procedures because of a specific reason: that is, precious metal content, high dollar value, critical material or hazardous material. Refer to appropriate manuals or directives for specific instructions.
D	Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal not authorized beyond depot levels.
F	Reparable item. When uneconomically reparable, condemn and dispose at direct support level.
H	Reparable item. When uneconomically repairable, condemn and dispose at general support level.
L	Reparable item. Repair, condemnation and disposal not authorized below depot or specialized repair activity level.
O (alpha)	Reparable item. When uneconomically repairable, condemn and dispose at organizational level.
Z	Non-reparable item. When unserviceable, condemn and dispose at the level indicated in column 3 of the source maintenance and recoverability code (AR 700-82).

**Notes:**

A blank in this position means the item is likely an end item, which is not assigned a recoverability code. AR 710-2 provides policies for disposing of end items.

**Table 3–35**  
**Reportable item control codes**

Code	Explanation
0	Not reportable.
1	Deleted.
2	Items selected and designed by USAMC MSCs that are authorized by TOE, modification table of organization and equipment, table of distribution and allowances, common table of allowances (CTA) and joint table of allowances. This category includes the following: a. All NSNs of a generic family. b. All major items with appropriation and budget activity account codes A through Q. c. Secondary items that are type classified and are subject to individual quantitative authorization and distribution management. d. All LINs that are coded equipment readiness code A unless specifically excluded by HQDA.
A	Same as RICC 2, and requires serial number tracking for supply visibility.
B	Same as RICC 2, and requires serial number tracking for maintenance data.
C	Same as RICC 2, and requires serial number tracking for both supply visibility and maintenance data.
3	Deleted.
8	Items selected and designated by AMC MSCs for intensive management under the SIMS-X per AR 710-1 (applicable to Army managed items only).
D	Same as RICC 8 except requires serial number tracking for supply visibility.
E	Same as RICC 8 except requires serial number tracking for maintenance data.

**Table 3–35**  
**Reportable item control codes—Continued**

Code	Explanation
F	Same as RICC 8 except requires serial number tracking for both supply visibility and maintenance data.
G	Requires no CBS-X nor SIMS-X reporting but does require serial number tracking for supply visibility.
H	Requires no CBS-X nor SIMS-X reporting but does require serial number tracking for maintenance data.
J	Requires no CBS-X nor SIMS-X reporting but does require serial number tracking for both supply visibility and maintenance data.
K	Same as RICC 2. This item does not require serial number tracking, but contains installed component(s), which require serial number tracking for supply visibility purposes.
L	Same as RICC 2. This item does not require serial number tracking, but contains installed component(s), which require serial number tracking for maintenance purposes.
M	Same as RICC 2. This item does not require serial number tracking, but contains installed component(s) which require serial number tracking for both supply visibility and maintenance purposes.
N	Same as RICC 0, except has installed component(s) which require serial number tracking.
P	Same as RICC A, except has installed component(s) which require serial number tracking for supply visibility purposes.
Q	Same as RICC B, except has installed component(s) which require serial number tracking for maintenance purposes.
R	Same as RICC C, except has installed component(s) which require serial number tracking for both supply visibility and maintenance purposes.
Z	Same as RICC 2, and requires tracking for reduction of inventory visibility.

**Table 3–36**  
**Shelf life codes (See note 1.)**

Code		Explanation
Type I (See note 2.)	Type II (See note 3.)	Storage time period
0	0	Nondeteriorative
A		1 month
B		2 months
C	1	3 months
D		4 months
E		5 months
F	2	6 months
G	3	9 months
H	4	12 months
I		72 months
J		15 months
K	5	18 months
L		21 months
M	6	24 months
N		27 months
P		30 months
Q	7	36 months
R	8	48 months
S	9	60 months
T		84 months
U		96 months
V		108 months

**Table 3-36**  
**Shelf life codes (See note 1.)—Continued**

Code		Explanation
Type I (See note 2.)	Type II (See note 3.)	Storage time period
W		
X	X	Medical Items, parachutes and chemical protective clothing with a shelf-life greater than 60 months
Y		144 months
Z		240 months.

Notes:

<sup>1</sup> Excluded are class V supplies (ammunition) in FSCs 11, 13, and 14 and FSCs 2845 and 9135. The shelf life code position of the item data segment for these items will be blank. Also excluded are perishable subsistence (FSCs 8905, 8910, and 8915) and bulk petroleum items (FSC 9130 and 9140). The shelf life code position of the item data segments for these items may be blank. Recipients will report any deterioration of 0 (numeric) coded items to the item manager for review. If nonexpiration dated material and type II shelf life materiel have exceeded their shelf life period, then the materiel will be inspected or tested before disposal to see if it should remain in stock. The item manager will prescribe inspecting, testing, or restoring this materiel.

<sup>2</sup> Type I. An item of supply, which is determined through an evaluation of technical test data or actual experience to be an item with a definite nonextendable period of shelf life.

<sup>3</sup> Type II. An item of supply having an assigned shelf life time period that may be extended after completion of inspection, test, or restorative action.

**Table 3-37**  
**Source of supply (SOS)codes/routing identifier codes (RIC)**

Code	Service/Activity	Activity Code
AKZ	U.S. Army Tank-Automotive Command Warren, MI 48397-5000	AZ
AP5	U. S. Army Soldiers Biological and Chemical Command, U. S. Army Support Organization, Philadelphia, PA 19101-3460	CA
A12	U. S. Army Soldiers Biological and Chemical Command, Natick, MA 01760	AJ
A35	U. S. Army War Reserve Command, Materiel Management Team, New Cumberland, PA 17070-5008	CD
	U.S. Army Special Projects Office Red River Army Depot, Texarkana, TX 75507	N/A
BAM	U.S. Army Simulation, Training and Instrumentation Command, Orlando, FL 32826-3276	AT
BS7	U.S. Army Television-Audio Support Activity, Sacramento, CA 95813-5019	AV
B14	U. S. Army Armament Chemical and Acquisition Logistics Activity, Rock Island Arsenal, Rock Island, IL 61299-6000	BF
B16	U.S. Army Communications Electronics Command and Fort Monmouth Fort Monmouth, NJ 07703-5006	CL
B17	U.S. Army Aviation and Missile Command, Redstone Arsenal, AL 35898-5230	CT
B46	U.S. Army Communications Electronics Command and Fort Monmouth Fort Monmouth, NJ 07703-5006	CU
B56	U.S. Army Communications Security Logistics Activity Fort Huachuca, AZ 85613-7090	CM
B63	U.S. Army Biological Depot, Washington, DC Mail-Commanding General, Walter Reed Army Medical Center, ATTN: Chief Supply Control Branch, Washington, DC 20012	N/A
B64	U.S. Army Aviation and Missile Command, Redstone Arsenal, AL 35898-5230	BD
B69	U.S. Army Medical Materiel Agency Frederick, MD 21702-5001	AM
FFZ	Sacramento Air Logistics Center McClellan AFB, CA 95652-5609	TA
FG5	Ogden Air Logistics Center Hill AFB, UT 84406-5609	SU
FGZ	Ogden Air Logistics Center Hill AFB, UT 84406-5609	SU
FHZ	Oklahoma City Air Logistics Center Tinker AFB, OK 73145-5989	SX
FLZ	Warner Robins Air Logistics Center Robin AFB, GA 31098-5609	TG
FMS	Air Force Logistics Command International Logistics Center/MI Wright-Patterson AFB, OH 45433-5001	TD
FM2	Air Force Logistics Command International Logistics Center/MI-FX Wright-Patterson AFB, OH 45433-5001	TD
F01	Warner Robins Air Logistics Center Robins AFB, GA 31098-5609	TG
F04	Air Force Medical Logistics Office AFMLO/FOL Frederick, MD 21701-5006	TT
FM2	Air Force Logistics Command International Logistics Center/MI-FX Wright-Patterson AFB, OH 45433-5001	TD

**Table 3-37**  
**Source of supply (SOS)codes/routing identifier codes (RIC)—Continued**

Code	Service/Activity	Activity Code
FND	AFMPC/MPCCM Randolph AFB, TX 78148	N/A
FNF	AFLC Command Chaplain HQ AFLC/HC Wright-Patterson AFB, OH 45433-5001	SA
FPD	Air Force Cryptologic Support Center (ESC) San Antonio, TX 78243	SJ
FPH	San Antonio Air Logistics Center Kelly AFB, TX 78241	SP
FPK	San Antonio Air Logistics Center Kelly AFB, TX 78241	SC
FPV	San Antonio Air Logistics Center Kelly AFB, TX 78241	SE
FPZ	San Antonio Air Logistics Center Kelly AFB, TX 78241	SP
F2U	Warner-Robins Air Logistics Center Robins AFB, GA 31098-5609	TG
F4U	Ogden Air Logistics Center Hill AFB, UT 84406	SU
F57	Northrop Corp. Aircraft Division 3901 W. Broadway Hawthorne, CA 90250	N/A
F6U	Sacramento Air Logistics Center McClellan AFB, CA 95652-5609	TA
F7U	San Antonio Air Logistics Center Kelly AFB, TX 78241-5000	SE
F7X	Air Force Cryptologic Support Center (ESC) San Antonio, TX 78243-5000	SJ
F8U	Oklahoma City Air Logistics Center Tinker AFB, OK 73145-5989	SX
F92	Air Force Clothing and Textile Office Philadelphia, PA 19101-8419	ST
F97	HQ Air Force Engineering and Services Center/AFESC Tyndall AFB, FL 32403-6001	SR
GF0	General Services Administration General Products Commodity Center Fort Worth, TX 76102	75
GGE	General Services Administration Automated Data and Telecommunications Services Electronic Service Division (WLE) Washington DC 20407	75
GK0	General Services Administration Tools Material Management Kansas City, MO 64131	75
GN0	General Services Administration Office Supplies and Paper Products Commodity Center New York, NY 10278	75
GQ0	General Services Administration Office and Scientific Equipment Commodity Center Washington DC 20406	75
GSA	General Services Administration Washington, DC 20406	75
GT0	General Services Administration Paints and Chemicals Commodity Center Washington, DC 20406	75
GV0	General Services Administration Furniture Commodity Center Washington DC 20406	75
G13	Department of Commerce National Oceanic and Atmospheric Administration National Weather Service-Engineering Division Grammax Building, Room 306B Silver Spring, MD 20910	47
G36	Veterans Affairs Supply Depot (901E) PO Box 27 Hines, IL 60141	54
G69	Department of Transportation Federal Aviation Administration ATTN: AAC-490 PO Box 25082 Oklahoma City, OK 73125	48
HAD	Field Command, Defense Nuclear Agency Kirtland AFB, NM 87115	XB
HM8	Defense Supply Center Richmond (Mapping), Richmond, VA, 23297-5335	DH
H9A	Special Operations Forces Support Activity, Building 221, Blue Grass Station, 5751 Briar Hill Road, Lexington, KY 40512-4063	XA
MHQ	Headquarters Marine Corps Washington DC 20380	PM
MPB	Marine Corps Logistics Base Code P840, Building 3700 Albany, GA 31704	PA
NCB	Navy Ships Parts Control Center (Ammo Div) PO Box 2020 Mechanicsburg, PA 17055	JG
NDZ	Naval Supply Center San Diego, CA 92131	N/A
NFZ	Naval Publications and Forms Center Philadelphia, PA 19120	N/A
NMP	Navy Ships Parts Control Center PO Box 2020 Mechanicsburg, PA 17055	N/A
NMZ	Navy Ships Parts Control Center PO Box 2020 Mechanicsburg, PA 17055	N/A
N17	Navy Resale and Service Support Office Fort Wadsworth Staten Island, NY 10305	N/A
N21	Naval Air Systems Command Washington DC 20360	KA

**Table 3-37**  
**Source of supply (SOS)codes/routing identifier codes (RIC)—Continued**

Code	Service/Activity	Activity Code
N22	Naval Supply Systems Command Washington DC 20376	HP
N23	Naval Sea Systems Command Washington DC 20362	HA/HB
N24	Naval Sea Systems Command Washington DC 20362	JK
N25	Naval Facilities Engineering Command Alexandria, VA 22332	N/A
N26	Bureau of Naval Personnel Washington DC 20370	N/A
N32	Navy Aviation Supply Office Philadelphia, PA 19111	KE
N35	Navy Ships Parts Control Center PO Box 2020 Mechanicsburg, PA 17055	HD,HX,JF
N39	Military Sealift Command Washington DC 20390	HW
N43	Navy Food Service Systems Office Washington Navy Yard Washington DC 20374	N/A
N44	Strategic Systems Project Office Washington DC 20376	JV
N45	Naval Training Equipment Center Orlando, FL 32813	GR
N47	Navy Fleet Materiel Support Office Mechanicsburg, PA 17055	N/R
N48	Naval Education and Training Program Development Center Pensacola, FL 32509	N/A
N56	Bureau of Medicine and Surgery Washington DC 20390	KN
N57	Chief of Naval Operations Washington DC 20390	N/A
N64	Commander Naval Intelligence Command 4600 Silver Hill Rd. Washington DC 20389	N/A
N67	Naval Air Technical Services Facility Philadelphia, PA 19111	N/A
N68	Naval Underwater System Center Newport, RI 02840	N/A
N77	Naval Electronic Systems Command Washington DC 20360	HC
N79	Naval Mine Engineering Facility Yorktown, VA 23491	GE
N84	Naval Ship Weapon Systems Engineering Station (Code 5200) Port Hueneme, CA 93041	N/A
PPZ	Naval Air Station Supply Department Pensacola, FL 32508	N/A
PSZ	Pacific Missile Test Center Point Mugu, CA 93042	N/A
P73	Naval Undersea Warfare Engineering Station Supply Department Keyport, WA 98345	N/A
Q6D	Communications Security Material System 3801 Nebraska Ave, N.W. Washington DC 20390	JD
Q81	Joint Cruise Missile Project Office Washington DC 20360	JC
RAZ	Naval Plant Representative (SPL-60) Lockheed Missiles and Space Co. PO Box 504 Sunnyvale, CA 94088	N/A
RCZ	Naval Plant Representative (SPG) General Electric Ordnance Systems Pittsfield, MA 01201	N/A
RKZ	Naval Plant Technical Representative (SPI) Interstate Electronics Corp. Anaheim, CA 92803	N/A
R29	SSPO Technical Representative (SSPOTR) Sperry Rand Corp. Sperry Systems Management Division Great Neck, NY 11020	N/A
R31	Naval Plant Representative (SPL(W)) PO Box 504 Sunnyvale, CA 94088	N/A
R32	Naval Ship Engineering Center Naval Station Norfolk, VA 23511	N/A
R33	Naval Plant Technical Representative (SPA) Autonetics Div of Rockwell International, Inc. Anaheim, CA 92803	N/A
R41	Naval Construction Battalion Center Civil Engineer Support Office Code 1572 Port Hueneme, CA 93043	JN
R48	Headquarters, Naval Material Command Washington, DC 20350	N/A
R58	Navy Recruiting Command Arlington, VA 22203	N/A
S9C	Defense Construction Supply Center Columbus, OH 43215	AX
S9E	Defense Electronics Supply Center Dayton, OH 45444	TX
S9F	Defense Fuel Supply Center Alexandria, VA 22314	KY
S9G	Defense General Supply Center Richmond, VA 23297	CX
S9I	Defense Industrial Supply Center Philadelphia, PA 19111	KZ

**Table 3–37**  
**Source of supply (SOS) codes/routing identifier codes (RIC)—Continued**

Code	Service/Activity	Activity Code
S9M	Defense Supply Center Philadelphia, PA 19101	KX
S9P	Defense Supply Center Philadelphia, Perishable Subsistence Philadelphia, PA 19101	CZ
S9R	Defense General Center, Richmond, VA 23297	CR
S9S	Defense Supply Center Philadelphia, Nonperishable Subsistence Philadelphia, PA 19101	CZ
S9T	Defense Supply Center Philadelphia, PA 19101	CY
ZIC	U.S. Coast Guard Yard Curtiss Bay, MD 21226	XF
ZNC	U.S. Coast Guard Supply Center Brooklyn, NY 11232	XG
ZQC	U.S. Coast Guard Aircraft Repair and Supply Center Elizabeth, NC 27909	XH

**Table 3–38**  
**Special control item codes**

Code	Explanation
1	Regulated item. Any item for which distribution is closely supervised by the manager or the Army. This close supervision is done because the item is in short supply, high in cost, or is highly technical or hazardous.
2	Principal item. End items and replacement assemblies so important they require centralized individual management throughout the supply system to include depot level, base level, and using unit level. These specifically apply to items, in the judgment of the Army, that need central inventory control including the following: a. Centralized computing of requirements. b. Central procurement. c. Central direction of distribution. d. Central knowledge and control of all assets owned by the Army (AR 310-25).
3	Sensitive item. Items that may be stolen and used in civil disturbances that require extensive protection and control during the materiel life cycle.
4	Regulated and principal item. Combination of 1 and 2 above.
5	Sensitive and regulated item. Combination of 1 and 3 above.
6	Principal and sensitive item. Combination of 2 and 3 above.
7	Explosive or hazardous item.
8	Radioactive item.
9	Regulated and controlled item. Due to safety or other considerations, local purchase is not authorized without source of supply approval.
A	Regulated and contains a radioactive item. Combination of 1 and 8 above.
B	Regulated-principal and contains a radioactive item. Combination of 4 and 8 above.
C	Principal and explosive or hazardous item. Combination of 2 and 7 above.
D	Regulated, principal and explosive or hazardous item. Combination of 4 and 7 above.
E	Sensitive and explosive or hazardous item. Combination of 3 and 7 above.
F	Sensitive and radioactive item. Combination of 3 and 8 above.
G	Sensitive and explosive or hazardous radioactive item. Combination of 3, 7, and 8 above.
H	Sensitive-regulated radioactive item. Combination of 1, 3, and 8 above.
J	Radioactive item. Regulated and controlled. Due to safety and other consideration, local purchase is not authorized. Combination of 8 and 9 above.
K	Sensitive-regulated-principal radioactive item. Combination of 3, 4, and 8 above.
M	Sensitive, principal, and explosive or hazardous item. Combination of 2, 3, and 7 above.
P	Sensitive, regulated, principal, and explosive or hazardous item. Combination of 3, 4, and 7 above.
R	Sensitive, regulated and explosive or hazardous item. Combination of 1, 3, and 7 above.
S	Sensitive-principal-radioactive item. Combination of 2, 3, and 8 above.
T	Principal and radioactive item. Combination of 2 and 8 above.

**Table 3–38**  
**Special control item codes—Continued**

Code	Explanation
U	Sensitive, principal and explosive or hazardous radioactive item. Combination of 6, 7, and 8 above.
V	Regulated and explosive or hazardous item. Combination of 1 and 7 above.
W	Regulated, principal and explosive or hazardous radioactive item. Combination of 4, 7, and 8 above.
X	Sensitive, regulated and explosive or hazardous radioactive item. Combination of 5, 7, and 8 above.
Z	Sensitive-regulated and principal item. Combination of 3 and 4 above.
0	None of the above.

Notes:

Sensitive qualified items must be coded with a controlled inventory item code of 1-6, 8, N, P, Q, or R, and inventory category code 0, 2, or 8.

**Table 3–39**  
**Special handling codes**

Type of Special Handling Cargo	Mixed handling requirements (Column a plus b, c, or d)			
	Single handling (a)	Heavy lift (HL) condition (b) (See note 1.)	Outsized dimensions (OD) (c) (See note 2)	HL & OD (d)
Not to be assigned	1	—	—	—
Classified	2	B	K	S
Reserved	3	C	L	T
Protected (sensitive)	4	D	M	U
Protected (pilferable)	5	E	N	V
Protected (controlled)	6	F	O	W
Unassigned	7	G	P	X
Unassigned	8	H	Q	Y
No special handling required (except as indicated by I, R, or Z.)	9	I	R	Z

Notes:

<sup>1</sup> Heavy lift. Use for any piece, package, or palletized, unitized, or containerized unit (excluding (Government owned or leased shipping container) or MILVAN) weighing 5 short tons (10,000 pounds) or more.

<sup>2</sup> Outsized dimensions. Dimensions of any piece, package, or palletized, unitized, or containerized unit (excluding commercial or Government-owned (or leased) shipping container seavan, MILVAN, CONEX), and privately owned vehicles (POVS) that exceed 6 feet in any dimension.

**Table 3–40**  
**Special requirements codes**

Code	Explanation
4	Assigned to items managed by NICP as an IMM to support other military services and for which Army is not a user.
5	Identifies Defense Industrial Plant equipment items for reporting under AR 700-43.
6	Identifies nuclear special, non-DNA cataloged items. The ACALA is the only authorized user of this code.
8	Identifies an item managed by Army as a DOD single manager. This conventional ammunition item is not used by Army activities.
9	Identifies items that are cataloged through the Defense Nuclear Agency (DNA).
A	Source of supply modifier code JDC identifies DLA commercial item.
B	Source of supply modifier code JSB identifies schedule of blind-made items.
D	Source of supply modifier code JDS identifies DLA supply schedule item. Reference table 3-2.

**Table 3-40**  
**Special requirements codes—Continued**

Code	Explanation
E	This code identifies an item as Army intensive managed item-expanded (AIMI-X). AIMI-X items are critical high dollar value and will be tracked by serial number.
F	Items delineated in DA Pamphlet 5-25 and identified in OMA funding documents for force modernization. Items have a special designation in accordance with DOD 4500.32-R, Vol 1 (MILSTAMP Volume II) and are assigned Transportation account code A258 as they flow through the supply and transportation systems.
P	Source of supply modifier code JSP identifies Federal Prison industries item.
M	Item contains potentially recoverable precious metal and requires a special disposal process per DOD 4160.21-M.
H	Category 1A ineffective drugs. Consult SB 8-75-series.
J	Category 1B ineffective drugs. Consult SB 8-75-series
L	Category 2 possibly effective drugs. Consult SB 8-75-series.
N	Category 3 probably effective drugs. Consult SB 8-75-series.
T	Reinstated drugs. Item was previously assigned as category 1A or 1B, ineffective, category 2, possibly effective, or category 3, probably effective, but has been reevaluated by the Food and Drug Administration and determined to be an effective drug. Consult SB 8-75-series.

**Table 3-41**  
**Subsistence usage management codes**

Code	Explanation
A	Domestic use.
B	Overseas and afloat use
C	Controlled item. Requisitions require approval by appropriate military service headquarters.
D	For use in Standard B ration.
E	Test item.
G	Box lunches, flight feeding, carry-out, modular food service unit or small and/or isolated units.
H	Submarines and ships 99 or less only.
J	Central processing facilities or milk plants only.
K	Army only.
L	For use when carbonated beverage dispensers are not available.
M	Afloat use only.
O	No restriction for Army and Air Force. Marine Corps requisitions require approval by headquarters. Not authorized for Navy.
P	Submarines only.
R	Short shelf life. Limited to domestic and selected overseas locations only.
S	No restrictions for Army, Air Force, Marine Corps, and Navy ashore facilities.
T	Special management attention to exhaust stocks at all levels.
X	Ration component procured solely by DSCP to assemble into composite food packages.
Dash	No restriction.

*an. Supply category of materiel code (SCMC).* The SCMC is a 2-position alphanumeric code identifying the supply class and subclass on an item-by-item basis according to FM 704-28. This code is in the item data segment of the AMDF. Table 3-42 is a list of valid class of supply and subclassification combinations that are used in the AMDF.

*ao. Type of cargo (TC) code.* The TC code is a 1-position alpha or numeric code that identifies the type of cargo included in the shipment unit. This code is in the freight segment of the AMDF and is described in table 3-43.

*ap. Unit-of-issue (UI) code.* The UI code is a 2-position alphabetic code that expresses a definite amount or quantity of an item that will be issued. This amount or quantity is the managing activity's set accounting unit on which unit price is based, accountable records are maintained, and requirements computed. Nondefinitive unit of issue (except for medical items) in the item data segment of the AMDF must be supported by a unit-measurement-quantity-record. A

table of UI designations, terms, and definitions to be assigned to items of supply are explained in table 3-44. This code is in the item data segment of the AMDF.

*aq. UI conversion table.* The UI conversion table identifies the factor the old quantity must be multiplied by to convert it to the new UI. It also identifies the numerical multiplier used along with the reflected decimal locator (table 3-45). This code is used in UI change records broadcast as part of the monthly SSD.

*ar. Unit-of-measure (UM) code.* The UM code is a 2-position alphabetic code that indicates a known physical measurement (length, volume, weight) or count of an item (foot, gallon, pound, each, dozen, gross). This code is in the unit-measurement-quantity, history-section III, component, and equivalent item segment of the AMDF. (See table 3-46.)

*as. Estimated storage life code.* This is a 1-position code that indicates the estimated period of time an item will retain its serviceable qualities during proper storage. (See table 3-47.) This code is in the medical user data segment of the AMDF.

*at. Storage/shipment requirement code.* The storage/shipment requirement code is a 3-position alphanumeric code that indicates the physical and environmental conditions required for proper storage of materiel. The first position indicates special storage requirements. The second position indicates temperature requirements. The third position indicates hazardous materiel handling requirements. (See table 3-48.) This code is in the medical user data segment.

*au. Hazardous waste code.* The hazardous waste code is a 1-position alphabetic code assigned to an item that contains hazardous waste materiel. (See table 3-49 for explanation of codes.) This code is in the medical user data segment of the AMDF.

*av. Storage type code.* The Storage type code is a 2-position alphanumeric code used to indicate the type of storage required. The first position is the type of facility code. The second position is the facility characteristics code. (See table 3-50.) This code is in the medical user data segment of the AMDF.

*aw. Department of Defense special requirements code.* This is a 1-position alphanumeric code that reflects special characteristics of an item to be used during receipt, storage and shipment. The codes indicate special labeling requirements, hazardous or dangerous characteristics or sensitive features of an item. (See table 3-51.) This code is in the medical user data segment of the AMDF.

**Table 3-42**  
**Supply category of materiel codes**

Code	Classes of Supply Position 67	Subclassifications of Supply Position 68
1	Class I	A, C, R, S, or W
2	Class II	A, B, D, E, F, G, H, K, L, M, N, O, P, Q, T, U, W, Y or Z
3	Class III	1, 2, 3, 4, 5, 6, or 7
4	Class IV	X
5	Class V	A, L, N, W, or Z
6	Class VI	X
7	Class VII	A, B, D, G, H, K, L, M, N, O (alpha), P, Q, U, W, Y or Z
8	Class VIII	0-9
9	Class IX	A, B, D, F, G, H, K, L, M, N, O (alpha), P, Q, T, U, W, Y or Z
0 (numeric)	Class X	X

**Legend:**

**Classes of supply**

Class I—subsistence including gratuitous health and welfare items.

Class II—clothing, individual equipment, tentage, tool sets and tool kits, hand tools, administrative and housekeeping supplies and equipment. Includes item of equipment, other than principal items, prescribed in authorization and allowance tables, and items of supply (not including repair parts).

Class III—POL. Petroleum fuels: lubricants, hydraulic and insulating oils, preservatives, liquid and compressed gases, chemical products, coolants, deicers and antifreeze compounds, together with components and additives of such products and coal.

Class IV—construction. Construction materials to include installed equipment and all fortification and barrier materials.

Class V—ammunition. Ammunition of all types (including chemical, radiological and special weapons) bombs, explosives, land mines, fuses, detonators, pyrotechnics, missiles, rockets, propellants, and other associated items.

Class VI—personal demand items (nonmilitary sales items). Class VII—major end items. A final combination of end products that is ready for its intended use (principal items); for example, launchers, tanks, mobile machine shops, and vehicles.

Class VIII—medical material including medical peculiar repair parts.

Class IX—repair parts and components to include kits, assemblies, and subassemblies, reparable and nonreparable required for maintenance support of all equipment.

**Table 3-42**  
**Supply category of materiel codes—Continued**

Code	Classes of Supply Position 67	Subclassifications of Supply Position 68
Class X—Materiel to support nonmilitary programs, such as agriculture and economic development, not included in classes I through IX.		
Subclassifications of supply		
A—Air (aviation, aircraft, airdrop equipment):		
Class I—food packet, in-flight, individual.		
Class II—items of supply and equipment in support of aviation/aircraft.		
Class III—petroleum and chemical products used in support of aircraft.		
Class V—munitions delivered by aircraft or aircraft weapons systems.		
Class VII—major end items of aviation equipment.		
Class IX—aircraft repair parts.		
B—Troop support materiel consists of such items as water purification sets, shower, bath, laundry, dry cleaning and bakery equipment; sets, kits, and outfits (includes tool and equipment sets and shop/equipment sets for performing organization, direct support, general support, and depot level maintenance operations); test, measurement, and diagnostic equipment that does not require acquisition approval, but may require registration; sensors and interior intrusion devices; topographic equipment and related topographic products as outlined in AR 115-11. C—operational rations include accessory packet of health and comfort items in meal, combat, meal combat individual or a ration supplement sundries pack issued along with B-ration until Army exchange (PX) facilities are established.		
D—commercial vehicles includes wheeled vehicles authorized for use in administrative or tactical operations.		
E—general supply items includes administrative expendable supplies, such as typewriter ribbons, paper, cleaning materials, and other supplies normally referred to as office supplies. Also includes publications distributed through adjutant general channels.		
F—clothing and textiles includes individual and organization items of clothing and equipment authorized in allowance tables and tentage/tarpaulins authorized in TOE or other media. G—Communications—Electronics (CE) includes signal items, such as radio, telephone, teletype, satellite, avionics, marine communications and navigational equipment; tactical and nontactical ADP; radar, photographic audio visual and television equipment; infrared; laser/maser; electronic sensors, and so forth.		
H—Test, measurement, and diagnostic equipment requiring acquisition and approval registration, includes items of equipment used to determine the operating efficiency or diagnose incipient problems in systems, components, assemblies and subassemblies of Army-used materiel. K—Tactical vehicles includes trucks, truck tractors, trailers, semi-trailers, personnel carriers, and so forth.		
L—Missiles		
Class II, VII and IX includes guided missile and rocket systems, such as NIKE-HERCULES, HAWK, LANCE, TOW, and DRAGON.		
Class V includes guided missile ammunition items.		
M—weapons includes small arms, artillery, fire control systems, rocket launchers, machine guns, air defense weapons, aircraft weapon subsystems, and so forth.		
N—special weapons.		
Class II includes special tools and handling equipment that has been established to support items which are not major end items nor are type classified and have been assigned the SCM of 7N.		
Class V includes nuclear and thermonuclear munitions.		
Class VII includes weapons systems that deliver nuclear munitions.		
Class IX includes repair parts for class VII—N.		
O—Combat vehicles includes main battle tanks, recovery vehicles, self-propelled artillery, armored cars, tracked and half-tracked vehicles, and so forth.		
P—signal intelligence (SIGINT) and/electronic warfare (EW) includes materiel peculiar to those mission areas assigned to FSC 5811 for which CG, USAMC has responsibility. This subclass is identified separately from subclass G because of specialized supply and maintenance functions performed by a dedicated SIGINT/EW logistical system.		
Q—Marine equipment includes marine items of supply and equipment, such as amphibious vehicles, landing craft, barges, tugs, floating cranes, dredges, and so forth.		
R—Refrigerated subsistence consists of two of the following categories of refrigeration:		
—(1) That which is required to be maintained at 0 degrees F (-17.8C) to keep frozen meals and foods for extended periods.		
—(2) That which is to be maintained at approximately 40 degrees F (4.4C) to keep perishables, such as fruits, vegetables, and eggs, contained in A-rations for shorter periods.		
S—nonrefrigerated subsistence includes items in standard B-rations and nonperishable items in A-rations.		
T—industrial supplies includes common supplies and repair parts, such as shop stocks, hardware, and fabrication-type items generally having multiple usage and/or application. Such items are generally managed by DISC.		
U—COMSEC material is identified separately from subclassification G because of specialized supply and maintenance functions performed through a dedicated COMSEC logistic system.		
W—Ground.		
Class I—water—when delivered as a supply item.		
Class III includes petroleum or chemical products and solid fuels used in support of ground and marine equipment.		
Class V—conventional munitions consist of chemical, smoke, illuminating, incendiary, riot control, and improved conventional munitions.		
Class II, VII, and IX consists of construction or road building and materials handling equipment, and so forth.		
X—in class—indicates no subclassification assigned.		
Y—railway equipment includes rail items of supply and equipment, such as locomotives, rail cars, rails, rail joining, and shifting equipment, and so forth.		
Z—chemicals. Classes II, VII, and IX include chemical items, such as gas masks, decontaminators, and smoke generators. Class V consists of chemical toxic munitions.		

Class III subclassifications

1—air, bulk fuels include jet fuels and aviation gasolines, normally transported by pipeline, rail tank car, tank truck, barge, coastal or ocean-going tankers and stored in a tank or container having a fill capacity greater than 500 gallons.

2—air, packaged bulk fuels include fuels in subclassification 1 that because of operational necessity are generally packaged and supplied in containers of 4 to 55 gallons capacity, except fuels in military collapsible containers of 500 gallons or less, which also will be considered as packaged fuels.

**Table 3-42**  
**Supply category of materiel codes—Continued**

Code	Classes of Supply Position 67	Subclassifications of Supply Position 68
	<p>3—air, packaged petroleum products include aircraft unique petroleum and chemical products consisting generally of lubricating oils, greases, and specialty items, normally packaged by the manufacturer, and procured, stored, transported, and issued in containers or packages of 55 gallons capacity or less.</p> <p>4—ground, bulk fuels include MOGAS, diesel, kerosene, and heating oils, normally transported pipeline, rail tank car, tank truck, barge, coastal or ocean-going tankers and stored in a tank or container having a fill capacity greater than 500 gallons. 5—ground, packaged bulk fuels include ground bulk fuels that because of operational necessity are generally packaged and supplied in containers of 5 to 55 gallons or less, which also will be considered as packaged fuels.</p> <p>6—ground, packaged petroleum includes petroleum and chemical products, generally lubricating oils, greases, and specialty items, normally packaged by the manufacturer and procured, stored, transported, and issued in containers of 55 gallons capacity or less.</p> <p>7—ground—solid fuels include coal, coke, heating tablets or bars, and so forth.</p>	
	<p>Class VIII subclassifications</p> <p>1—controlled substances.</p> <p>2—tax-free alcohol.</p> <p>3—precious metal.</p> <p>4—nonexpendable medical items, not restricted.</p> <p>5—expendable medical items, not restricted.</p> <p>6—all drugs and related items FSC 6505, not otherwise restricted.</p> <p>7 through 9—Commander-designated controlled items.</p> <p>0—restricted issue: Not authorized for issue to any Army activity.</p>	

**Table 3-43**  
**Type of cargo codes**

Code	Explanation
A	Radioactive substances, UN class 7 (radioactive label).
B	Mixed hazardous materials—consolidated only as authorized by U.S. Coast Guard regulations.
C	Etiologic agent, UN class 6 (etiologic label).
D	Contaminated cargo (excluding hazardous material).
E	Empty hazardous material containers or packages (empty label).
F	Explosives, class C, UN class 1 (explosive C label).
G	Nonflammable compressed gas, UN class 2 non-flammable gas label; except the following: (1) oxygen requires an oxidizer label. (2) fluorine requires poison and oxidizer labels.
H	Subject to damage from heat.
I	Explosives, class A, UN class 1 (explosive A label).
J	Explosives, class B, UN class 1 (explosive B label).
K	Spontaneously combustible substances, UN class 4. (Spontaneously combustible labels and flammable solid labels).
L	Water reactive substances, UN class 4 (flammable solid labels. and dangerous-when-wet labels).
M	Magnetic material.
N	Dangerous materiel in limited quantities (no label required).
O	Flammable compressed gas, UN class 2 (flammable gas label).
P	Poison, class B, UN class 6 (poison label).
Q	Subject to damage from freezing.
R	Flammable liquids, UN class 3 (flammable liquids label).
S	Poisons, class A, UN class 2 (poison gas label) or UN class 6 (poison label).
T	Poison, class C, UN class 6 (irritant label).
U	Combustible liquids (no label).
V	Miscellaneous hazardous materials, UN class 9 (no label).
W	Corrosive materials, UN class 8 (corrosive label).
X	Flammable solids, UN class 4 (flammable solid label).
Y	Oxidizing materials, UN class 5 (oxidizer or organic peroxide label).

**Table 3-43**  
**Type of cargo codes—Continued**

Code	Explanation
Z	No special type of cargo code applies.
1	Aircraft engine internal combustion engines and fuel control devices.
2	Type cargo code not applicable (for Air Force internal use).
3	Electronic sensitive device subject to damage caused by static electricity, or electrostatic discharge.

**Table 3-44**  
**Unit of issue codes**

Designation Code	Term	Definition
AM	Ampoule 1	A small glass or plastic tube sealed fusion after filling.
AT	Assortment	A collection of different items that fall into a group or class packaged as a small unit forming a single item of supply. Use only when the term assortment is part of the item name.
AY	Assembly	A collection of parts put together to form a complete unit, making a single item of supply, such as a hose assembly. Use only when the term assembly is part of the item name.
BA	Ball 1	A sphere-shaped mass of material, such as twine or thread.
BD	Bundle 1	A quantity of the same item tied together without compression.
BE	Bale 1	A shaped unit of compressible materials bound with cord or metal ties and usually wrapped (such as paper and cloth rags).
BF	Board foot	A unit of measure for lumber equal to the volume of a board 12-inches by-12 inches-by 1-inch.
BG	Bag 1	A flexible container of various sizes and shapes made from such materials as paper, plastic, or textiles. Include sack and pouch.
BK	Book 1	A book like package, such as labels or tickets, fastened together along one edge, usually between protective covers.
BL	Barrel 1	A cylinder-shaped container, metal or wood, with sides that bulge outward and flat ends or heads of equal diameter. Includes keg.
BO	Bolt	A flat fold of fabric having a stiff paper-board core.
BR	Bar 1	A solid piece or block of various materials, with its length greater than its other dimensions, such as soap, beeswax, or buffing compound.
BT	Bottle 1	A glass, plastic, or earthenware container or various sizes, shapes, and finishes (such as jugs, but excluding jars, ampoules, vials and carboys) with a closure to retain contents.
BX	Box 1	A rigid, 3-dimensional container of various sizes and materials. Includes case, carton, tray, and crate.
CA	Cartridge	Usually a tubular receptacle containing loose or pliable material designed to allow ready insertion into an apparatus for dispensing the material. Usually connected with adhesives and sealing compounds.
CB	Carboy 1	A heavy-duty, bottle-type container used to transport and store liquids. Usually designed to be encased in a rigid protective outer container for shipment.
CD	Cubic yard	A unit of cubic measure.
CE	Cone 1	A cone-shaped mass of material such as twine or thread wound on a conical core.
CF	Cubic foot	A unit of cubic measure.
CK	Cake 1	A block or compacted or congealed matter. Applicable to such items as soap and buffing compound.
CL	Coil 1	As arrangement of material such as wire, rope, and tubing would in a circular shape.
CN	Can 1	A rigid receptacle made of fiber, metal, plastic or all three. Cans may be cylindrical or any number of irregular shapes. Restricted to items that cannot be issued in less than container quantity. Includes pail and canister. Do not use when the packaged quantity equals a unit of measure, such as, pint, quart, gallon, ounce, or pound.
CO	Container 1	A general term used only when an item can be packaged for issue in optional containers, such as, bottle or tube for a single NSN.
CY	Cylinder 1	A rigid, cylinder-shaped, portable, metal container designed to store and transport compressed gases, generally fitted with protected valve closure and pressure-relief safety device.

**Table 3-44**  
**Unit of issue codes—Continued**

Designation Code	Term	Definition
CZ	Cubic Meter	A unit of cubic measure expressed in the metric system. Applied only to locally assigned stock numbers used to locally procure items such as ready-mix concrete and asphalt in areas where the metric system prevails.
DR	Drum 1	A cylinder-shaped container designed as an exterior pack to store and ship bulk materials (fuels, chemicals, powders, and so forth). Drums may be made of metal, rubber, polyethylene, or plywood or fiber with wooden, metal, or fiber ends.
DZ	Dozen	12 of an item of supply.
EA	Each	A numeric quantity of one item of supply. Do not use if a more specific term applies, such as kit, set, assortment, assembly, group, sheet, plate, strip, or length.
FT	Foot	Unit of linear measurement sometimes expressed as linear foot.
FV	Five	5 of an item.
FY	Fifty	50 of an item.
GL	Gallon	Unit of liquid measurement.
GP	Group	A collection of related items issued as a single item of supply, such as test set group. Use only when the term group is part of the item name.
GR	Gross	144 of an item.
HD	Hundred	100 of an item.
HK	Hank	A loop of yarn or roping with definite yardage, such as cotton, 840 yards; worsted, 560 yards. See skein for comparison.
IN	Inch	Unit of linear measurement, equivalent to 1/12th of a foot and sometimes expressed as linear inch.
JR	Jar 1	A rigid container having a wide mouth and often no neck, normally made of earthenware or glass. Excludes bottle.
KT	Kit	A group of related items issued as a single item of supply, such as tools, instruments, repair parts, instruction sheets, often furnished inside a box or bag. Also includes selected groups of equipment parts, tools or materials for the repair, overhaul or modification of equipment. Use only when the term kit is part of the item name.
LB	Pound	A unit of avoirdupois weight measure equal to 16 ounces.
LG	Length 1	Term applies to items issued in fixed or specific linear measurement, without deviation. This term no longer applies to random lengths, which will be expressed in definite units of linear measure such as foot or yard. Excludes strip.
LI	Liter	A unit of liquid measure expressed in the metric system.
MC	Thousand cubic feet	A unit of cubic measure expressed in one thousand increments.
ME	Meal	The amount of food generally taken by a person at one time.
MR	Meter	A unit of linear measure expressed in the metric system equal to 39.37 inches. Limited in application to locally assigned stock number used to locally procure items such as pipe, lumber, tubing, and hose in areas where the metric system prevails.
MX	Thousand	1,000 of an item.
OT	Outfit	A group of related items issued as a single item of supply. For example, the tools, instruments, materials, equipment and instruction manuals used to practice a trade or profession or to carry out a certain project or function. Use only when the term outfit is a part of the item name.
OZ	Ounce	A unit of liquid or avoirdupois weight.
PD	Pad 1	Multiple sheets of paper that are stacked together and sealed at one end.
PG	Package 1	A form of protective wrapping for two or more of the same item of supply. To be used only when a unit of measure or container-type term does not apply. Includes envelope.
PM	Plate	A flat piece of square or rectangular-shaped metal of uniform thickness, usually 1 inch or more. Use only when plate (FSCs 9515 and 0535) is used in an item name to denote shape.
PR	Pair	Two similar or identical items (gloves, shoes, bearings), or items integrally made of two identical parts (trousers, shears, goggles).
PT	Pint	A unit of liquid or dry measure.
PZ	Packet 1	A container used for subsistence items. Use only when food packet is part of the item name (FSG 89).

**Table 3-44**  
**Unit of issue codes—Continued**

Designation Code	Term	Definition
QT	Quart	A unit of liquid or dry measure.
RA	Ration	The food allowance of one person for one day. Use only when ration (FSC 8970) is part of the item name.
RL	Reel 1	A cylinder-shaped core on which a flexible material, such as wire or cable, is wound. Usually has flanged ends.
RM	Ream	A quantity of paper varying from 480 to 516 sheets, depending on grade.
RO	Roll	A cylinder-shaped figure of flexible material, which has been rolled on itself such as textiles, tape, abrasive paper, photosensitive paper and film. The core may or may not have flanges.
SD	Skid 1	A pallet-like platform consisting of a load-bearing area fastened to and resting on runner-type supports.
SE	Set	A group of matched or related items issued as a single item of supply, such as tool sets, instrument sets and matched sets. Use only when the term set is apart of the item name.
SF	Square foot	A unit of square measure (area).
SH	Sheet	A flat piece of rectangular-shaped material of uniform thickness that is very thin in relation to its length and width, such as metal, plastic, paper, and plywood. This term is not limited to any group of items or FSCs. However, it will always be used when sheet is part of the item name to denote shape, such as aluminum alloy sheet. Excludes items in FSC 7210.
SK	Skein	A loop of yarn, 120 yards long, usually wound on a 54-inch circular core. See hank for comparison.
SL	Spool 1	A cylinder-shaped form with an edge or rim at each end and an axial hole for a pin or spindle on which to wind material such as thread or wire.
SO	Shot	A unit of linear measurement usually applied to anchor chain, equal to 15 fathoms (90 ft).
SP	Strip 1	A rather narrow, flat length of material, uniform in width, such as paper, wood, and metal. Use only when the term strip is part of the item name.
SX	Stick 1	Material in a rather long and slender, often cylinder form to ease application or use, such as abrasives.
SY	Square yard	A unit of square measure equal to 9 square feet.
TD	Twenty-four	24 of an item.
TE	Ten	10 of an item.
TF	Twenty-five	25 five of an item.
TN	Ton	Equals 2000 pounds. Includes short ton and net ton.
TO	Troy ounce	A unit of troy weight measure, based on a 12-ounce pound, generally applied to weights of precious metals.
TS	Thirty-six	36 of an item.
TU	Tube 1	Normally a squeeze-type container most commonly made from flexible material and used in packaging toothpaste, shaving cream, and pharmaceutical products. Also, is a form around which items are wound, such as thread. It does not apply to mailing tube, pneumatic tube, or cylinder-shaped containers of a similar type.
VI	Vial 1	A small glass container, generally less than an inch in diameter. Vials are flat-bottomed and tube-shaped and have a variety of neck finishes.
YD	Yard	A unit of linear measure equal to 3 feet and sometimes expressed as linear yard.

**Notes:**

These terms require a quantitative expression, as they are nondefinitive units of issue.

**Table 3–45**  
**Unit-of-issue conversion table**

Old unit of issue	New unit of issue	Conversion decimal locator&factor	Multiply by
Barrel (standard U.S. 31.5 gl)	Cubic foot	34212	4.212
Barrel (standard U.S. 31.5 gl)	Gallon	10315	31.5
Barrel (bulk Petroleum; 42 gl)	Gallon	00042	42.
Barrel (standard U.S. 31.5gl)	Liter	11192	119.2
Barrel (standard U.S. 31.5gl)	Pint	00252	252.
Barrel (standard U.S. 31.5 gl)	Quart	00126	126.
Board foot	Cubic foot	40833	.0833
Board foot	Cubic yard	40031	.0031
Coil (100 ft)	Foot (ft)	00100	100.
Coil (250 ft)	Foot	00250	250.
Coil (500 ft)	Foot	00500	500.
Coil (750 ft)	Foot	00750	750.
Coil (1000 ft)	Foot	01000	1000.
Cubic foot	Barrel (standard U.S. 31.5 gl)	42374	.2374
Cubic foot	Board foot	00012	12.
Cubic foot	Cubic yard	40370	.0370
Cubic foot	Gallon	37481	7.481
Cubic foot	Liter	22832	28.32
Cubic foot	Pint	25984	59.84
Cubic foot	Quart	22992	29.92
Cubic inch	Board foot	40069	.0069
Cubic meter	Board foot	14338	423.8
Cubic meter	Cubic foot	23531	35.31
Cubic meter	Cubic yard	31308	1.308
Cubic meter	Gallon	12642	2.642
Cubic yard	Cubic foot	00027	27.
Cubic yard	Gallon	00202	202.
Cubic yard	Liter	17645	764.5
Cubic yard	Board foot	00324	324.
Dozen	Each	00012	12.
Dozen	Gross	40833	.0833
Dozen	Hundred	20012	.12
Dozen	Pair	00006	6.
Dozen	Thousand	30012	.012
Each	Dozen	40833	.0833
Each	Five	10002	0.2
Each	Fifty	20002	0.02
Each	Gross	40069	.0069
Each	Hundred	20001	.01
Each	Package (3)	43333	.3333
Each	Package (4)	20025	.25

**Table 3-45**  
**Unit-of-issue conversion table—Continued**

Old unit of issue	New unit of issue	Conversion decimal locator&factor	Multiply by
Each	Package (5)	10002	.2
Each	Package (10)	10001	.1
Each	Package (20)	20005	.05
Each	Package (25)	20004	.04
Each	Package (50)	20002	.02
Each	Package (200)	30005	.005
Each	Package (500)	30002	.002
Each	Package (1000)	30001	.001
Each	Pair	10005	.5
Each	10	10001	0.1
Each	1,000	30001	.001
Each	24	40416	0.416
Each	25	20004	0.04
Each	36	40277	0.0277
Fifty	Each	00050	50.0
Five	Each	00005	5.0
Foot (ft)	Coil (100 ft)	20001	.01
Foot (ft)	Coil (250 ft)	30004	.0004
Foot (ft)	Coil (500 ft)	30002	.002
Foot (ft)	Coil (750 ft)	40013	.0013
Foot (ft)	Coil (1000 ft)	30001	.001
Foot	Inch	00012	12.
Foot	Reel (100 ft)	20001	.01
Foot	Reel (250 ft)	30004	.004
Foot	Reel (500 ft)	30002	.002
Foot	Reel (750 ft)	40013	.0013
Foot	Reel (1000 ft)	30001	.001
Foot	Yard	43333	.3333
Gallon	Barrel (standard U.S. 31.5 gl)	40317	.0317
Gallon	Barrel (bulk Petroleum; 42 gl)	40238	.0238
Gallon	Cubic foot	41337	.1337
Gallon	Liter	33785	3.785
Gallon	Pint	00008	8.
Gallon	Quart	00004	4.
Gross (gr)	Dozen	00012	12.
Gross (gr)	Each	00144	144.
Gross (gr)	100	20144	1.44
Gross (gr)	Pair	00072	72.
Hundred	12	38333	8.333
Hundred	Each	00100	100.
Hundred	Gross	46944	.6944
Hundred	Pair	00050	50.

**Table 3-45**  
**Unit-of-issue conversion table—Continued**

Old unit of issue	New unit of issue	Conversion decimal locator&factor	Multiply by
Hundred	1,000	10001	.1
Inch	Foot	40833	.0833
Inch	Yard	40278	.0278
Liter	Barrel (standard U.S. 1.5 gl)	40084	.0084
Liter	Cubic foot	40353	.0353
Liter	Gallon	42642	.2642
Liter	Pint (liquid)	32113	2.113
Liter	Quart (liquid)	31057	1.057
Meter	Foot	33281	3.281
Meter	Yard	31094	1.094
Ounce	Pound	40625	.0625
Ounce	Troy ounce	49115	.9115
Pair	Dozen	41666	.1666
Pair	Each	00002	2.
Pair	Gross	40139	.0139
Pair	Hundred	20002	.02
Pair	Thousand	30002	.002
Pint	Barrel (standard U.S. 31.5 gl)	30004	.004
Pint	Cubic foot	40167	.0167
Pint	Gallon	31025	.125
Pint	Liter	44732	.4732
Pint	Quart	10005	.5
Pound	Ounce	00016	16.
Pound	Ton	40005	.0005
Quart	Barrel (standard U.S. 31.5 gl)	40079	.0079
Quart	Cubic foot	40334	.0334
Quart	Gallon	20025	.25
Quart	Liter	49463	.9463
Quart	Pint	00002	2.
Reel (100 ft)	Foot	00100	100.
Reel (250 ft)	Foot	00250	250.
Reel (500 ft)	Foot	00500	500.
Reel (750 ft)	Foot	00750	750.
Reel (1000 ft)	Foot 01000	1000.	
Square foot	Square yard	41111	.1111
Square yard	Square foot	00009	9.
Ten	Each	00010	10.0
Thirty-six	Each	00036	36.0
Thousand	Dozen	28333	83.33
Thousand	Each	01000	1000.
Thousand	Gross	36944	6.944
Thousand	100	00010	10.

**Table 3–45**  
**Unit-of-issue conversion table—Continued**

Old unit of issue	New unit of issue	Conversion decimal locator&factor	Multiply by
Thousand	Pair	00500	500.
Ton	Pound	02000	2000.
Troy ounce	Pound	40686	.0686
Troy ounce	Ounce	31097	1.097
Twenty-four	Each	00024	24.0
Twenty-five	Each	00025	25.0
Yard	Foot	00003	3.
Yard	Inch	00036	36.

**Table 3–46**  
**Unit of measure codes**

Designation	Term
BF	Board foot
BQ	Briquet
CC	Cubic centimeter
CD	Cubic yard
CF	Cubic foot
CG	Centigram
CI	Cubic inch
CM	Centimeter
CP	Capsule
CU	Curie
CZ	Cubic meter
DC	Dekagram
DE	Dekimeter
DG	Dekigram
DL	Dekiliter
DM	Dram
DW	Pennyweight
DZ	Dozen
EA	Each
EX	Exposure
FD	Fold
FR	Frame
FT	Foot
GG	Great gross
GI	Gill
GL	Gallon
GM	Gram
GN	Grain
GR	Gross
HD	100

**Table 3-46**  
**Unit of measure codes—Continued**

Designation	Term
HF	100 feet
HP	100 pounds
HS	100 square feet
HW	Hundred weight
HY	Hundred yards
IN	Inch
KG	Kilogram
KM	Kilometer
KR	Carat
LB	Pound
LI	Liter
LF	Linear foot
MC	Thousand cubic feet
MG	Milligram
MI	Mile
ML	Milliliter
MM	Millimeter
MR	Meter
MX	1,000
OZ	Ounce
PI	Pillow
PK	Packet
PR	Pair
PT	Pint
PX	Pellet
QT	Quart
RA	Ration
RD	Round
RM	Ream
RX	Thousand round
SF	Square foot
SH	Sheet
SI	Square inch
SK	Skein
SM	Square meter
SO	Shot
SQ	Square
SY	Square yard
TN	Ton (2,000 pounds)
TO	Troy ounce
TT	Tablet
US	USP unit

**Table 3–46**  
**Unit of measure codes—Continued**

Designation	Term
YD	Yard

**Table 3–47**  
**Estimated storage life codes**

Code	Explanation
A	1 month
B	2 months
C	3 months
D	4 months
E	5 months
F	6 months
G	9 months
H	12 months
J	15 months
K	18 months
L	21 months
M	24 months
N	27 months
P	30 months
Q	36 months
R	48 months
S	60 months
T	72 months
U	84 months
W	96 months
Y	120 months
Z	240 months

**Table 3–48**  
**Storage/shipment requirement codes**

Code	Explanation
<b>Position Number 1</b>	
C	Certain components of this assemblage require vault and/or security cage storage.
K	Item requires, at the minimum, security cage storage. When issued, recipient must be listed on authorization card and must sign issue document.
R	Item requires vault storage. When issued, recipient must be listed on authorization card and must sign issue document.
<b>Position Number 2</b>	
F	Freezer item-storage and shipment at subfreezing temperature (below 32 degrees F).
R	Refrigerator item—storage at 35 to 46 degrees F and shipment under constant refrigeration.
W	Item is subject to damage by freezing.
X	Item is subject to damage by heat.
Y	Optimum storage temperature is 50 to 70 degrees F.

**Table 3–48**  
**Storage/shipment requirement codes—Continued**

Code	Explanation
Z	Optimum storage temperature is 59 to 86 degrees F.
<b>Position Number 2 (See Note.)</b>	
A	1 day.
B	2 days.
C	3 days.
D	4 days.
E	5 days.
G	6 days.
H	7 days.
I	8 days.
J	9 days.
K	10 days.
L	11 days.
M	12 days.
N	13 days.
P	14 days.
Q	15 days.
S	18 days.
T	20 days.
V	30 days or over.
<b>Position Number 3</b>	
A	Item is radioactive; may require storage behind protective barrier and/or shipment in properly marked, lead shielded container.
E	ICC exempt labeling.
G	Item requires a green ICC label (nonflammable gas) for shipment.
P	Item cannot be shipped by parcel post.
R	Item requires a red ICC label (flammable gas or liquid) for shipment.
W	Item requires a white ICC label (poison) for shipment.
Y	Item requires a yellow ICC label (oxidizer) for shipment.

Notes:

These are refrigerator items with a storage temperature of 3 to 36 degrees F (2 to 3 degrees C) and with a shipment limited to the maximum number of days out of refrigeration listed beside each code.

**Table 3–49**  
**Hazardous waste codes**

Code	Description
C	Corrosive waste.
E	Extraction procedure toxic waste.
H	Acute hazard waste.
I	Ignitable waste.
R	Reactive waste.
T	Toxic waste.

**Table 3–50**  
**Storage type codes**

Code	Explanation
<b>Position Number 1</b>	
A	Warehouse, heated, ground level.
B	Warehouse, heated, dock level.
C	Warehouse, unheated, ground level.
D	Warehouse, unheated, dock level.
E	Shed.
F	Magazine, igloo.
G	Magazine, above ground
H	Open, improved.
I	Open, unimproved.
J	Other.
<b>Position Number 2</b>	
1	General purpose.
2	Controlled humidity.
3	Flammable.
4	Security.
5	Chill.
6	Freeze.
7	Heavy duty.
8	Acid.
9	Compressed gas.

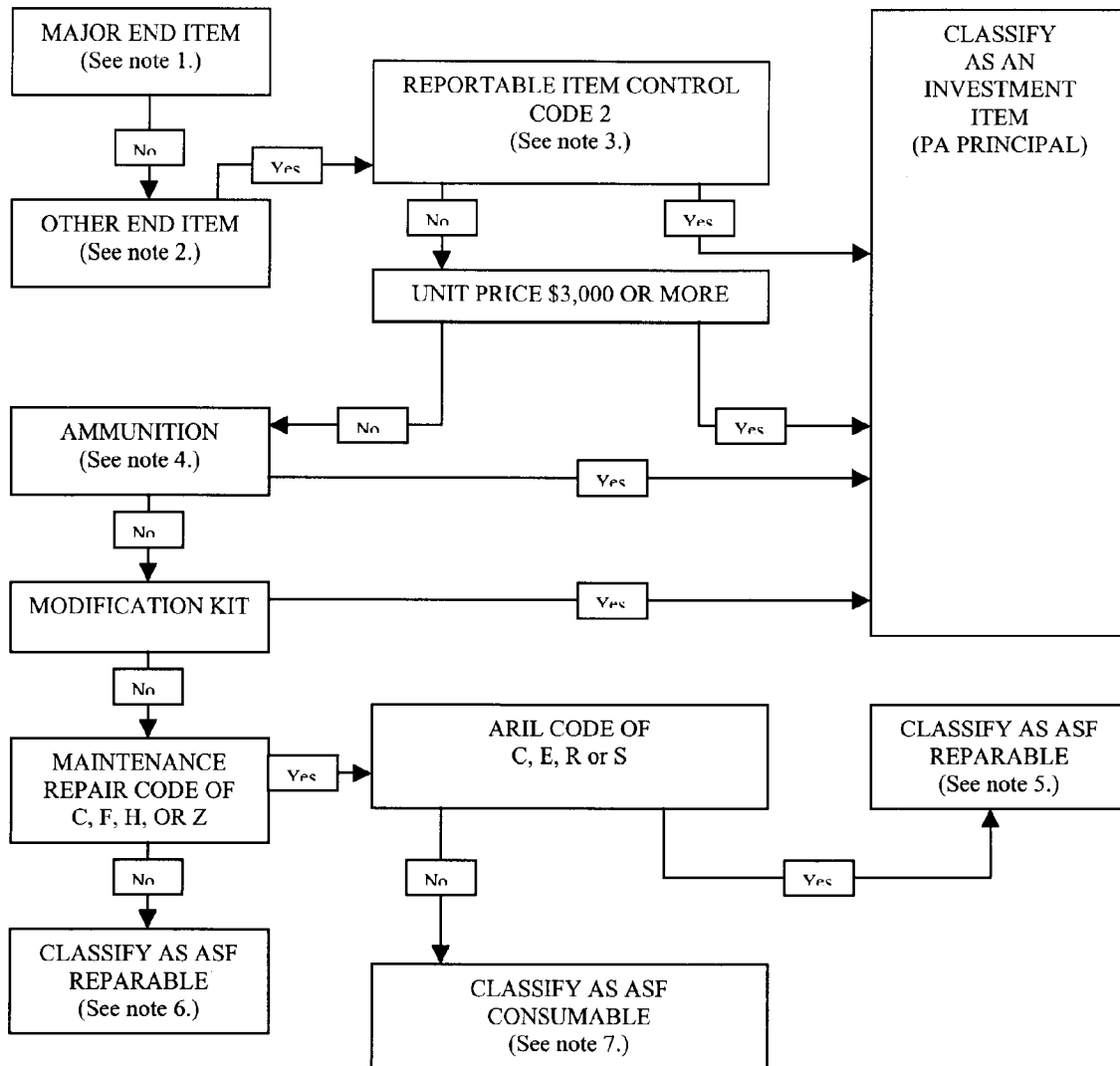
**Table 3–51**  
**Department of defense special requirements codes**

Code	Explanation
A	Radioactive.
B	No-go parcel post.
C	Glycerin.
D	Electro-mechanical.
E	Sensitive electronics.
F	Corrosive capability (nonmailable).
G	Green label (nonflammable gas).
H	Subject to damage from heat over 40 degrees C (104 degrees F).
I	White label (corrosive liquid).
J	Characteristics require freight movement.
K	55-gallon drums.
L	Compressed gas cylinders.
M	Precious metals.
N	Unrefrigerated shipping time 4 days. (See DLAM 4155.5, paragraph MA199C7.)
O	Unrefrigerated shipping time 7 days.
P	Poison; class B (poison label).

**Table 3-51**  
**Department of defense special requirements codes—Continued**

Code	Explanation
Q	Subject to damage from freezing.
R	Red label (flammable liquid).
S	Security cage.
T	Glass.
U	Magnetic.
V	Inspect before shipment.
W	Consumable alcoholic items.
X	Alcohol.
Y	Yellow label-oxidizing material-flammable solid.
Z	No code applicable.
0	Narcotics.
1	DOT label not required.
2	Fragile label.
3	Refrigeration, 2 to 8 degrees (36 to 46 degrees F). May be out of refrigeration for specified periods of time during shipment.
4	Refrigerated/flammable.
5	Constant refrigerated 2 to 8 degrees C (36 to 46 degrees F) water ice required during shipment.
6	Freeze—below 0 degrees C (32 degrees F).
7	Unrefrigerated shipping time 18 days.
8	Temperature controlled at 50 to 70 degrees F.
9	Temperature controlled (50 to 86 degrees F) storage only.

**INVESTMENT VERSUS EXPENSE COST DECISION DIAGRAM  
(EFFECTIVE 1 JANUARY 1992)**



**Notes:**

1. Class of supply is 7; LIN is assigned or action is underway to have it assigned; and the RICC is 1 or 2.
2. Excludes class 9; LIN is assigned or action is underway.
3. Excludes class 8.
4. Class of supply is 5.
5. The fourth position of the source, maintenance, and recoverability code.
6. Class of supply is 9; reparable code R is assigned or action is underway to have it assigned.
7. Class of supply is 9; reparable code C is assigned or action is under way.

**Figure 3-1. Investment versus expense cost decision diagram**

## **Appendix A References**

### **Section I Required Publications**

#### **AR 40-61**

Medical Logistics Policies and Procedures. (Reprinted w/basic incl C1) (Cited in paras 2-59 and 3-2)

#### **AR 700-82**

Joint Regulation Governing the Use and Application of Uniform Source, Maintenance, and Recoverability Codes (Cited in para 3-2.)

#### **AR 708-1**

Cataloging of Supplies and Equipment Cataloging and Management Data. (Cited in paras 1-7, 2-22, and 3-1.)

#### **AR 710-1**

Centralized Inventory Management of the Army Supply System. (Cited in para 3-2)

#### **AR 710-2**

Inventory Management ,Supply Policy Below the Wholesale Level. (Cited in para 3-2.)

#### **AR 725-50**

Requisition, Receipt, and Issue System. (Cited in tables 2-2, 2-48, 2-66 and 3-8.)

#### **AR 735-5**

Policies and Procedures for Property Accountability. (Cited in para 3-1.)

#### **SB 735-3**

Federal Supply Catalog Handbooks, DOD Ammunition Codes; H-3. (Cited in para 3-2)

#### **SB 700-20**

Army Adopted/Other Items Selected for Authorization List of Reportable Items. (Cited in paras 2-16, 2-20, 2-60, 3-2, and tables 2-5, 2-19, 2-20, 2-28 and 2-32.)

### **Section II Related Publications**

A related publication is merely a source of additional information. The user does not have to read it to understand this publication.

#### **AR 115-11**

Army Topography

#### **AR 310-25**

Dictionary of the United States Army Terms

#### **AR 740-26**

Physical Inventory Control

#### **DOD 4000.25-2M**

Military Standard Requisitioning and Issue Procedures (MILSTRIP)

#### **DOD 4100.39-M, VOL 13**

Federal Logistics Information System (FLIS), Materiel Management Decision Rule Tables

#### **DOD 4140.25-M**

Management of Bulk Petroleum Products, Storage and Distribution Facilities

#### **DOD 4160.21-M-1**

Defense Demilitarization Manual

**DOD 4500.32–R, VOL 1**

Military Standard Transportation and Movement Procedures (MILSTAMP)

**DOD 5100.76–M**

Physical Security of Sensitive Conventional Arms, Ammunition, and Explosives

**DOD 5200.1–R**

Department of Defense Personnel Security Program

**FAR 23**

Part 23, Environment Conservation, Occupational Safety, and Drug Free Workplace

**FAR 52**

Part 52, Solicitation Provisions and Contract Clauses

**Federal STD 313**

Federal Standard Material Safety Data Sheets Preparation and the Submission of

**MIL–PRF–26514**

Polyurethane Foam, Rigid or Flexible, for packaging

**MIL–STD–726**

Packaging Requirements Codes

**MIL–STD–1190**

Minimum guidelines for Level C Preservation, Packing and Marking

**MIL–STD–2073.1**

DOD Standard Practice for Military Packaging

**SB 8–75**

Army Medical Department Supply Information

**SB 38–101**

Spare/Repair Part to End Item Application (48X microfiche)

**SB 708–3**

Department of Defense Ammunition Code

**TM 38–250**

Packaging and Materials Handling: Preparation of Hazardous Materiel for Military Air Shipments

**Section III****Prescribed Forms**

This section contains no entries

**Section IV****Referenced Forms****DA Form 4511–R**

Request for Logistics Catalog Data and/or Information

**DD Form 1348–1**

Shipment Release/Receipt Document

**DD Form 1387–2**

Special Handling Data/Certification

**OSHA Form 20 and 20A**

Material Safety Data Sheet

## **Glossary**

### **Section I Abbreviations**

**AAC**

acquisition advice code

**AAH**

advanced attack helicopter

**AAWS-H**

advanced antitank weapon system–heavy

**ABA**

appropriation and budget activity

**AC**

activity code

**ACCLAIMS**

Army COMSEC Commodity, Logistical and Accounting Information Management System

**ACE**

armored combat earthmover

**ACLDB**

Army Central Logistics Data Bank

**ACSH**

air commodity and special handling

**ADC**

air dimension code

**ADP**

automatic data processing

**ADPE**

automatic data processing equipment

**AEC**

air eligible category

**AEDA**

ammunition, explosives and other dangerous articles

**AEHA**

U.S. Army Environmental Hygiene Agency

**AFAP**

atomic field artillery projectile

**AFATDS**

advanced field artillery tactical data systems

**AGSE**

aircraft ground support equipment

**AHIP**

Army helicopter improvement program

**AIMI-X**

Army intensive managed item—expanded

**AIRS**

AMDF Interrogation and Retrieval System

**ALOC**

air lines of communication

**AMDF**

Army master data file

**AMP**

Army Material Program

**AOD**

area oriented depot

**ARC**

accounting requirements code

**ARI**

automatic return item

**ARIL**

automatic return items list

**ASF**

Army Stock Fund

**ASL**

authorized stockage list

**ATDS**

AMDF tailored distribution system

**AUD**

Army unique data

**AXP**

adaptive cross parity

**BPI**

bytes per inch

**CAGE**

commercial and Government entity

**CAGEC**

commercial and Government entity code

**CBR**

chemical, biological, radiological

**CBU**

cluster bomb unit

**CCI**

controlled cryptographic item

**CCSS**

commodity command standard system

**CECOM**

U.S. Army Communications Electronics Command

**CFV**

combat fighting vehicle

**CIIC**

controlled inventory item code

**CMD**

catalog management data

**CMDF**

catalog management data file

**COMSEC**

communications security

**CONEX**

containers express

**CONUS**

continental United States

**CPU**

central processing unit

**CSLA**

U.S. Army Communications Security Logistics Activity

**CSS**

combat service support

**CTA**

common table of allowances

**D**

durable

**DA**

Department of the Army

**DDN**

Defense data network

**DEMIL**

demilitarization

**DIC**

document identifier code

**DL**

decimal locator

**DLA**

Defense Logistics Agency

**DLIS**

Defense Logistics Information System

**DLSC**

Defense Logistics Services Center

**DMC**

Defense mega centers

**DNA**

Defense Nuclear Agency

**DOD**

Department of Defense

**DODAC**

Department of Defense Ammunition Code

**DODIC**

Department of Defense identification code

**DOT**

Department of Transportation

**DRMO**

Defense Reutilization and Marketing Office

**DWCCS**

Depot Weight and Cube Challenge System

**EC**

essentiality code

**EIC**

end item code

**EW**

electronic warfare

**FAR**

Federal Acquisition Regulation

**FC**

fund code

**FLIS**

Federal logistics information system

**FSC**

Federal supply classification

**FSCAP**

flight safety critical aircraft part

**FSG**

Federal supply group

**GFM**

Government furnished material

**gl**  
gallon

**GPS**  
global positioning system

**gr**  
gross

**GSA**  
General Services Administration

**HL**  
heavy lift

**HM**  
hazardous material

**HMDF**  
hazardous materials data file

**HMDS**  
Hazardous Materiel Data System

**HQDA**  
Headquarters Department of the Army

**I&S**  
interchangeable and substitutable

**IATA**  
International Air Transport System

**ICC**  
inventory category code

**ICP**  
inventory control point

**ICQ**  
intermediate container quantity

**ID**  
identification

**IDHIS**  
item data history

**IDS**  
item data segment

**IMCO**  
Inter-Governmental maritime consultative organization

**IMM**  
inventory materiel manager

**IMMC**  
U.S. Army Intelligence Management Center

**IN**

identifying number

**ITS**

item type storage

**JATO**

jet assisted takeoff

**JTC**

jump-to-code

**LAW**

light antitank weapon

**LCC**

logistics control code

**LCL**

less-than-carload

**LIN**

line item number

**LOGSA**

logistics support activity

**LOP**

level of protection

**LTL**

less-than-truckload

**MAP**

military assistance program

**MATCAT**

materiel category

**MCN**

management control number

**MDD**

management data distribution

**MILSTAMP**

military standard transportation and movement procedure

**MILVAN**

military-owned demountable container

**MLI**

munitions list item

**MOM**

military official mail

**MPIM**

multipurpose individual munition

**MR**

maintenance repair

**MRP**

military returns program

**MSDS**

material safety data sheet

**MTMC**

U.S. Army Military Traffic Management Command

**MWO**

modification work order

**NATO**

North Atlantic Treaty Organization

**NCB**

National codification bureau code

**NCBC**

National codification bureau code

**NICP**

National inventory control point

**NIIN**

National item identification number

**NMFC**

National motor freight classification

**NOS**

not otherwise stated

**NSCM**

NATO supply code for manufacturers

**NSN**

National stock number

**OCONUS**

outside continental United States

**OD**

outside dimensions

**OMA**

Operation and Maintenance Army Appropriation

**OOU**

order-of-use

**OSHA**

Occupational Safety and Health Act

**PA**

procurement appropriations

**PC**

phrase code

**PMI**

precious metals indicator

**PMIC**

precious metals indicator codes

**POC**

point of contact

**POL**

petroleum oils and lubricants

**POP**

performance oriented packaging

**PSC**

price signal code

**PSN**

packaging sequence number

**QUP**

quantity per unit pack

**RC**

recoverability code

**REFNO**

reference number

**RIC**

routing identifier code

**RICC**

reportable item control code

**RNCC**

reference number category code

**RNS**

related number status

**RNVC**

reference number variation code

**SAILS**

Standard Army Intermediate Level Supply Subsystem

**SAP**

Security Assistance Program

**SARSS**

Standard Army Retail Supply System

**SCIC**

special control item code

**SCMC**

supply category of material code

**SH**

special handling

**SICA**

secondary inventory control activity

**SICC**

Service item control center

**SIMS-X**

Selected Item Management System-Expanded

**SL**

shelf life

**SNUF**

stock number user file

**SOS**

source of supply

**SPI**

special packaging instructions

**SRA**

stock record account

**SRC**

special requirements code

**SSD**

single source distribution

**SSR**

system support record

**STD**

standard

**SUMC**

subsistence usage management code

**TC**

type of cargo

**TM**

technical manual

**TOE**

tables of organization and equipment

**TOW**

tube launched, optically tracked, wire guided

**UFC**

uniform freight classification

**UI**

unit of issue

**UM**

unit-of-measure

**UMQ**

unit measure quantity

**UN**

United Nations

**USAMC**

U.S. Army Materiel Command

**USAMMA**

U.S. Army Medical Materiel Activity

**VADS**

Vulcan Air Defense System

**X**

expendable

**Section II****Terms****AMDF change notice**

A scheduled notice to announce essential logistic management data additions, deletions, or revisions when required to update the Army Master Data File.

**AMDF file originator**

An Army activity having NICP or SICC materiel management responsibilities that prepares and submits AMDF change notices to LOGSA.

**Army cataloging**

The method used to establish, collect and record nonquantitative logistics management data for Army items of supply in command or activity data record systems and the AMDF and the release of this data would-wide. It includes preparing supply catalogs and developing new Army cataloging procedures and techniques, as required.

**Army recipient**

An activity authorized to receive AMDF change notices from LOGSA.

**Bytes per inch**

Density of information stored on a magnetic tape

**Class manager**

The inventory control point designated to do assigned materiel management functions on an FSC basis.

**Data element**

A basic unit of identifiable and definable information. A data element occupies the space provided by fields in a record or blocks. Examples of data elements are activity code and acquisition advice codes.

**Defense Logistics Information System**

An ADP system designed to provide a centralized data bank to support DOD, Federal civil agencies, and foreign countries taking part in the integrated logistics support program.

**Defense Logistics Information System Total Item Record**

A record containing two sectors. One sector contains item oriented logistics management data; for example, stock numbers, item characteristics, reference numbers, user recordation, standardization data, freight data, and catalog management data. The other sector contains system support records of system oriented data used in support of the total

item record, including tables or indexes of Federal Supply Classification codes, major organization entity rules, activity addresses, and edit and validation tables. Its content is updated directly by system support record maintenance transactions or by automatic interface of Defense Logistics Services Center and Defense Logistics Information System programs.

**Demilitarize**

To make unfit for military use.

**Described item**

A specific item listed in the interchangeable and substitutability segment of the Army Master Data File to which a phrase code, a subgroup code, a sequence code, and order of use data apply.

**Document identifier code**

A 3-digit code that identifies the type of action to specific fields in the alignment of the AMDF.

**DOD identification code**

A code consisting of one letter and three numbers or two letters and two numbers. It is assigned to a generic description of an item of supply in Federal Supply Groups 13 (Ammunition and Explosives) and 14 (Guided Missiles); for example, D548. It may also be applied to modified or improved items, which are functionally interchangeable with the item to which the number was first assigned. The DODIC, when prefixed with the FSC, forms the DOD ammunition code; for example, 1305A011.

**Equivalent items**

Items with the same physical and performance characteristics differing only in unit of issue or unit quantity and assigned phrase code Y.

**Federal Catalog System**

A catalog system that provides for a single item identification and stock number for each item that is repeatedly used, purchased, stocked, or distributed.

**I&S group**

Two or more items that have an I&S relationship. A group consists of one or more subgroups.

**I&S sequence code**

Each item within a subgroup will be identified by a sequence code to show the order to be followed in the attrition of items within the subgroup. Suitable items are identified by a letter. Unsuitable items are identified by a number.

**I&S subgroup**

One or more items that have a I&S relationship with each other or the preferred item within an I&S group.

**I&S subgroup code**

A letter showing the relationship of items in an I&S group.

**Integrated materiel manager**

The materiel manager responsible for carrying out assigned materiel management functions for selected items or selected FSC classes.

**Interchangeable item**

An item that has functional and physical characteristics equal in performance, reliability, and maintainability to another item for similar or identical purposes and can be—

- a. Exchanged for the other.
- b. Used without checking for fit or performance.
- c. Used without changing the item itself or adjoining items, except for adjustment.

**Intermediate pack**

A wrap, box, or bundle that contains two or more unit packs of identical items.

**Item manager**

(See 'Integrated materiel manager.')

**Item of Supply**

Any material, part, component, subassembly, set, equipment accessory or attachment, or end item for the equipping, maintenance, operation or support of military or civil activities and organizations. An item of supply may be a single item of production or two or more items of production that are functionally interchangeable or that may be substituted for the same purpose and are equal in use. It may be more refined (of closer tolerance, finer quality, or with specific characteristics) than the normal item of production. It may also be a modification (done by the user or by request of the user) of a normal item of production.

**Logistics management data**

A group of nonidentifying, nonquantifying data elements. These data elements consist of catalog management data, such as price and unit of issue, and Army unique and peculiar data, such as essentiality code and recoverability code, that are assigned to each item of supply according to the FSC and Army regulations.

**Major item**

A final combination of component parts or materials that is ready for its intended use. It is important enough to be subject to continuing, centralized, individual item authorization and management throughout all command support echelons.

**Manufacturer's code**

The five-digit FSCM that is assigned to manufacturers or other businesses procured by agencies of the Federal Government.

**Medical materiel**

Items approved by the Defense Medical Materiel Board and managed by the Defense Personnel Support Center regardless of the item's FSC.

**NATO supply code for manufacturers**

A 5-digit, alphanumeric code that identifies manufacturers located in NATO and other friendly countries. Codes are assigned by the central cataloging offices of the different countries. The prefix or the suffix can be an alpha and the remaining positions are numeric.

**Order of use**

A group of items identified by NSNs that have an interchangeable or substitutable relationship with each other and are sequenced for issue from first to be used to last to be used. The order of use consists of the I&S subgroup code and the I&S sequence code.

**Packaging**

The processes and procedures used to protect material from deterioration and damage. It includes cleaning, drying, preserving, packing, marking, and unitization.

**Preferred item**

The most desirable item within a group of I&S items that will satisfy a specific need. The item selected must be suitable to use in place of any item in the group.

**Primary inventory control activity**

A single activity responsible for procuring, establishing, and controlling stock item accountability, cataloging, depot maintenance, and item disposal.

**Recipient**

An activity authorized to receive AMDF change notices from LOGSA.

**Reference number**

A number, except an activity stock number, used to identify an item of production or, a number used with other identifying numbers to identify an item of supply. Reference numbers include manufacturers' part drawing, model type, source-controlling, and specification-controlling numbers; the manufacturers trade name, when the manufacturer identifies the item by trade name only; NATO stock numbers; specification or standard part, drawing, or type numbers.

**Related item**

An NSN connected with another NSN by an assigned phrase code.

**Secondary inventory control activity**

A supply control activity responsible for controlling stock levels and maintaining item accountability when supply support is furnished by a different service or agency.

**Sequence codes**

Each suitable item in a subgroup is identified by a 1-digit alphabetic sequence code denoting the order to follow in the attrition of items in the subgroup. Those items that are unsuitable are identified by a numeric sequence code.

**Subgroup**

One or more items that have an I&S relationship with each other and the preferred stock number. Except for subgroups containing unsuitable items, stock numbers in the same subgroup can be freely interchanged regardless of end-item-use. Only those items meeting these conditions will be placed in the same subgroup. The subgroup is identified by a 1-digit alphabetic code assigned sequentially (A, B, C through Z, except I and O). The first code is assigned with the subgroup least desirable to retail. Codes are assigned to subgroups until the last subgroup, containing the preferred stock number, is the most desirable to keep.

**Unit pack quantity**

The quantity of items to be contained in a unit pack will be given in the terminology of the definitive unit of issue. If a nondefinitive unit of issue is assigned to the stock item, the unit of issue will be further quantified by a unit of measure and measurement quantity as required in the item data segment.

**Unit pack**

The first tie, wrap, or container applied to a single item or a quantity thereof, or to a group of items of a single stock number, preserved or unpreserved, which constitutes a complete and identifiable pack.

**Section III****Special Abbreviations and Terms**

There are no entries in this section.

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DATA FILE: C:\wincomplyoni.fil

DOCUMENT: DA PAM 708-2

DOC STATUS: NEW PUBLICATION